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November 28, 1975

MEMO FOR FILING

Re: Telephone Conversation
Duckville Gun Club
Brigham City, Leaking Gas
Well
8:15 a.m.
Box Elder County, Utah

On November 25, 1975, in a discussion this a.m. with Mr. Orson Blackett, the additional following information on the well was given:

Pipe on hand	348' 7"
1st Gas Show	95.0'
Hardpan	256.0'
Dry gas (sand)	256.3'
Water	299.0'
Hardpan	301.5'
T.D.	339.5'

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD:tb

cc: U. S. GEOLOGICAL SURVEY

K

November 28, 1975

MEMO FOR FILING

Re: Duckville Gun Club
Brigham City
Leaking Gas well

On Sunday evening at approximately 6:30 P.M. Mr. Lloyd Robinett, Box Elder Fire Marshall called and requested that I attend a meeting at the Duckville Gun Club in order to discuss future work at the leaking shallow gas well owned by the Duckville Gun Club.

The meeting was held at 11:00 AM ^{with} representatives of Box Elder County, Duckville Gun Club, Federal Fish and Wildlife Service, Halliburton Company, and the State Division of Oil, Gas and Mining.

The basic issue was to the effect that the Duckville Gun Club had spent approximately \$11,000. in order to seal the well in question, and were now out of funds. They requested financial assistance from the State and ~~the~~ Federal Governments.

To date, a total of 65 tons of various cement and cement mixtures had been pumped into the well without any apparent success. However, my examination of the site indicated that the amount of gas being lost had lessened considerably, and the cement slurry was gas cut and had not set in a solid form.

The Federal Government stated that the Division of Fish & Game had been contacted, but they did not have the funds available to provide assistance.

The Box Elder County representative stated they had no funds available, but when the State reimbursed the County the \$35,000. county expenditure for extinguishing a field fire, then possible some of that might be used for assistance.

The State said the request would be ~~passed on~~ ^{forwarded} to the Governor, but State aid might be impossible to get.

Halliburton Company agreed to rework their bills and would probably be in a position to diminish considerably the amount due them.

The State suggested that the Gun Club proceed by first seeking Federal aid through EPA, ERDA, and the Federal Emergency Fund. Then they might solicit aid from oil companies actively engaged in the State. It was further suggested by the Oil, Gas, and Mining Division that a special member assessment be made if continuing.

The recommendations made by the State were that:

1) To the Duckville Gun Club; a letter be mailed from them to the Governor requesting a meeting for the purpose of acquiring additional funds.

2) To the State; that attempted aid be slight, as the only control over the well would be to re-enter the leaking well, wash over the old pipe, recover it and run a new string of 4 1/2" casing, cemented top to bottom. This in view of the fact the gas remaining had grown considerably.

It was further suggested that one or two days be allowed in order to give the cement a chance to harden.

The technique of the future work was outlined and it was suggested the Gun Club also engage the services of a Petroleum Consulting Engineer to oversee the work. It was also strongly stressed that the Club caretaker monitor the well two to three times a day to see if the current gas release was emitting from charged formations and not the well proper. If the leak diminished, it would probably be safe to assume that the source had been isolated and the charged-up sands would completely give up the entrapped gas in approximately one to two weeks.

Also, as a matter of interest, the old well records were discovered and they were totally dissimilar to the information given the first day. Further, the well had been "reworked" this summer.

PATRICK L. DRISCOLL
CHIEF PATROLEUM ENGINEER

PLD/lc

cc: U.S. GEOLOGICAL SURVEY

WELL LOG

ELECTRIC LOGS

 FILE ☒

 NO FILE ☐

HOLE

FILE

REMARKS: Spud in: Quaternary Lake Sediments. Bottom in: Salt Lake Group (Tertiary)

Gas in several zones, particularly 330-350. Gas used locally. Well-head pressure (1948) 134 psi.

(Information obtained from Edgar B. Heylman, 1961, who got it from a personal report which did not contain any other information except what is on the card.)

DATE FILED

Prior OGCC

+ gas analysis only

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN

DRILLING APPROVED:

Prior OGCC

SPUDDED IN:

COMPLETED:

INITIAL PRODUCTION:

GRAVITY A. P. I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

1,028'

WELL ELEVATION:

DATE ABANDONED:

Abd. ?

FIELD OR DISTRICT:

Wildcat

COUNTY:

Box Elder

API # 43-003-20063

WELL NO.

BIRD REFUGE 2

LOCATION:

FT. FROM (N) (S) LINE,

FT. FROM (E) (W) LINE,

UNK

1/4-1/4 SEC.

35

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

29 N

4 W

35

U. S. BIOLOGICAL SURVEY

Bear River Migratory Bird Refuge
Brigham, Utah

Log of Well #2 at Refuge headquarters
Well drilled during fall & winter of 1931

<u>Date</u>	<u>Depth</u>	<u>Material</u>
Oct. 19	0 to 30	River fill, silt
	30-50	Blue clay
	50-53	Black organic matter, some gas
	53-69	Blue clay
Oct. 20	69-102.	Blue clay
	102-109	Streaks of shale or hard clay
	109-124	Blue clay
	124-131	Sand, gas
	131-153	Blue clay
Oct. 21	153-194	" "
Oct. 27	194-240	" "
	240-250	Black sand, organic matter
Oct. 31	240-251	Hard sand
	251-265	Quick sand (fine)
	265-291	Clay (292.5' 8" pipe)
	291-322	Shale
	322-330	Shale and gas
	330-340	Shale
	340-350	Black sand, organic matter and gas
	350-357	Shale
	357-361	Sand, gas
	361-383	Shale
Dec. 2	383-514	Blue shale streaked with lime
	514-520	Brown shale
	520-528	Brown sand & organic material, with artesian water and gas
Dec. 3	528-550	Shale
	550-555	Sand-fine
	555-622	Shale
Dec. 4	622-751	Shale, clay and sand streaks
	751-762	Shale
	762-772	Sand, fine
	772-794	Sand and shale
	794-816	Shale and hard lime (slow drilling)
	816-828	Shale
	828-834	Hard fine sand
	834-838	Shale
	838-846	Lime and shale (hard)
Dec. 5	846-860	Clay and sand streaks
	861-904	Shale and clay streaks
Dec. 7	904-948	" " " "
	948-1000.	" " " "
	1000-1028.	Clay and streaks of sand, with artesian water, and gas.

LOG OF GAS WELL WEST OF BRIGHAM, UTAH

U. S. Bureau of Biological Survey, Well No. 2, about 13 miles West of Brigham (sec 35 T. 9 N., R 4 W.)

Hardley, A. J. and Haas, Merrill (1936) Oil and Gas possibilities in the Great Salt Lake Basin; Proc. Utah Acad. Sciences, Arts and Letters. Vol. 13, p. 71.

Depth in feet		Material encountered
0 --	30	River Fill, silt
30 --	50	Blue Clay
50 --	53	Black organic matter. some gas
53 --	102	Blue clay
102 --	109	Streaks of lime and hard clay.
109 --	124	Blue clay
124 --	131	Sand. Some gas
131 --	240	Blue clay.
240 --	250	Black sand, organic matter
250 --	251	Hard sand.
251 --	265	Fine quicksand.
265 --	322	Clay
322 --	330	Sand, gas
330 --	340	Clay
340 --	350	Black sand, organic matter
350 --	357	Clay
357 --	361	Sand, gas
361 --	383	Clay
383 --	514	Blue shale, streaked with sand (?)
514 --	520	Laminated clay
520 --	550	Brown shale
550 --	555	Clay
555 --	622	Fine sand
622 --	751	Clay
751 --	762	Shale and sand streaks
762 --	772	Clay
772 --	794	Fine sand
794 --	816	Sand and clay.
816 --	828	Clay and hard clay - well compacted, slow drilling
828 --	834	Clay
834 --	838	Hard fine sand
838 --	846	Clay
846 --	860	Hard calcareous clay
860 --	1000	Clay and sand streaks
1000 --	1028	Shale and clay streaks
		Clay and streaks of sand

ANALYSIS OF THE GAS FROM GAS WELL AT BEAR RIVER REFUGE

Made by the California Company September 1931

Methane87.9%
Ethane	None
Nitrogen.	5.5
Carbon Dioxide.	1.9
Oxygen.7
Hydrogen.	3.5
Unsaturated	
hydrocarbons.5
	<u>100.0%</u>

*File in
Duckville File*

MOUNTAIN FUEL SUPPLY COMPANY

SALT LAKE GAS LABORATORY



GAS CHROMATOGRAPHIC TEST OF SUSPECTED GAS LEAK

Customer Duckville Gun Club District Northern
Address Bear River Bird Refuge City Brigham City
Requested by Dick Poulson Leak No. _____

Sampled by Glade Hall Date 12/2/75 2:00 ^{AXM.} P.M.

Bar Hole Concentration: ~20 % CGI No. Lab CGI

GAS CHROMATOGRAPH DATA

<u> </u> Natural Gas	Remarks: <u>Additional sample from Pat Driscoll</u>
<u> X </u> Methane Only	<u>analyzed 12/10/75. Hydrocarbon concentrations:</u>
<u> </u> Petroleum Product	<u>Methane 99.99%, Ethane < 0.01%</u>
_____	_____

Foreman Notified: Dick Poulson Date 12/3/75
Tested by Glade Hall Approved [Signature]
Supervisor, Measurement Shop
& Quality Control

Copies To: Gene R. Dyer
S. W. Vandehei
E. R. Christensen
R. E. Poulson
Pat Driscoll, Utah Division of Oil, Gas and Mining
M. A. Raja, Utah Geological and Mineral Survey

December 15, 1975

Mr. Orson Blackett
American Linen Supply
33 East 6th South Street
Salt Lake City, Utah 84111

Dear Mr. Blackett:

This is to confirm our telephone conversation of the morning of December 15th.

If you will contact Mr. Gordon Harmston, Director of Natural Resources, (phone: 533-5357) a conference will be arranged between your group and Governor Rampton sometime this week.

Irrespective of the outcome of this meeting, this Division must insist that remedial work be started on this well by no later than January 9, 1976.

In order to assist you, I have taken the liberty of contacting an engineer that has a small drilling rig, capable of doing the necessary work. If you are interested, you can contact Mr. Jim Tadlock, P.O. Box 418, Vernal, Utah.

If I can be of further assistance, or if you need clarification of the "must start" date, please do not hesitate to contact me.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD:tb

cc: Gordon Harmston, Executive Director ✓
Department of Natural Resources

December 19, 1975
Vernon B. Romney
Page Two

- 2) Can the State of Utah use public funds to assist the gun club in paying for the remedial work on this well due to the hazards which may affect the general public?
- 3) Does the State of Utah have the authority (that is the Division of Oil, Gas, and Mining) to require that the gun club properly plug and abandon or complete the well?
- 4) What is the obligation of the County in this matter?

It is urgent that we receive this opinion as soon as possible due to the extreme danger and possible hazards existing.

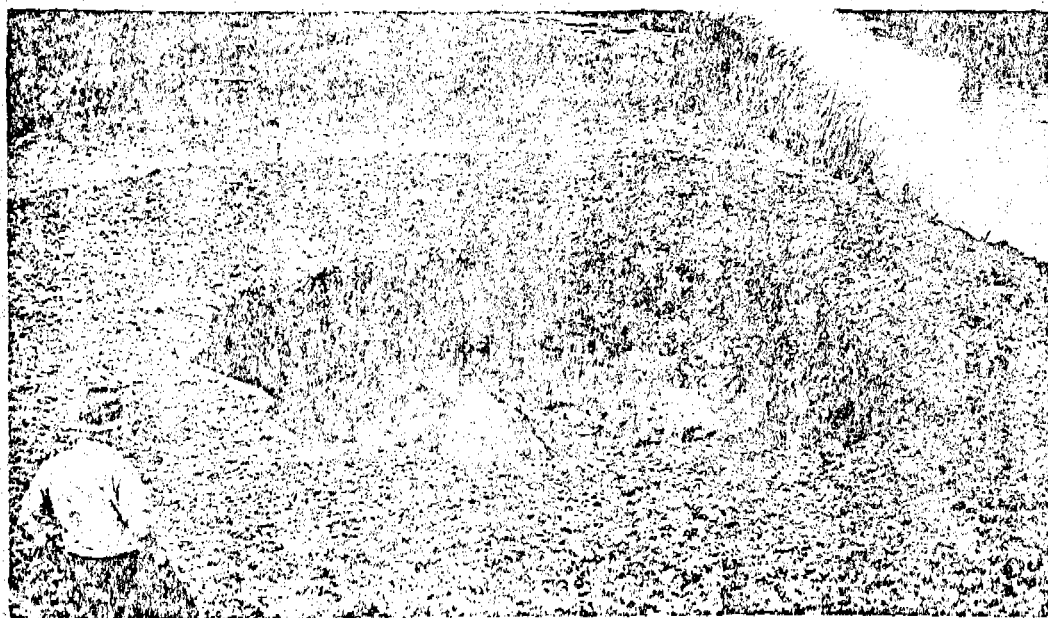
Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
DIRECTOR

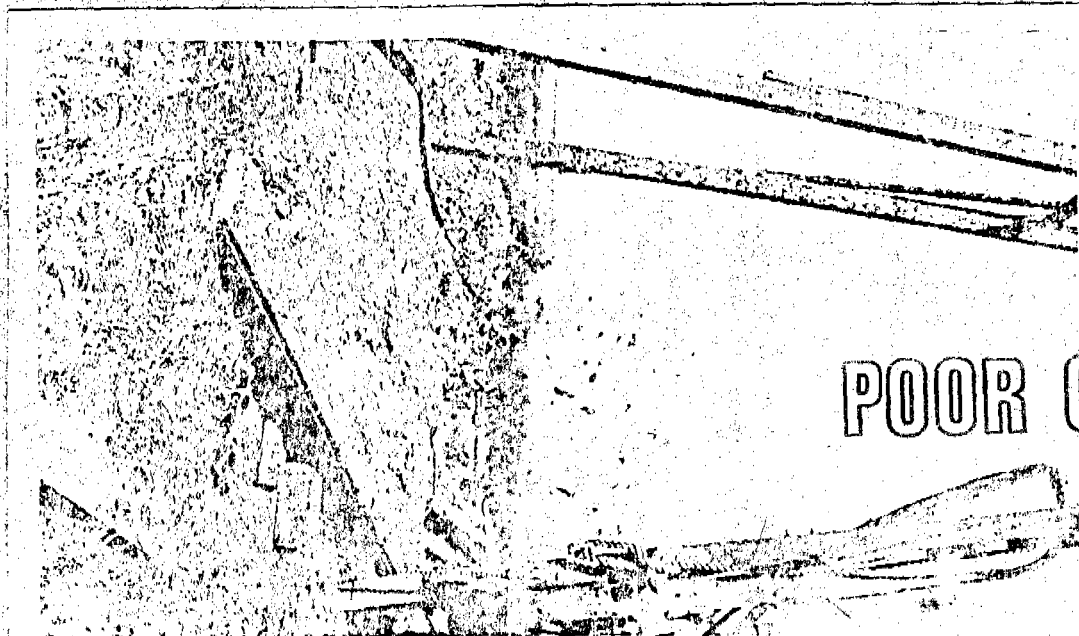


B-38861 8/20/31. Well #1 blowing gas and mud just after wellrig had been moved from hole.

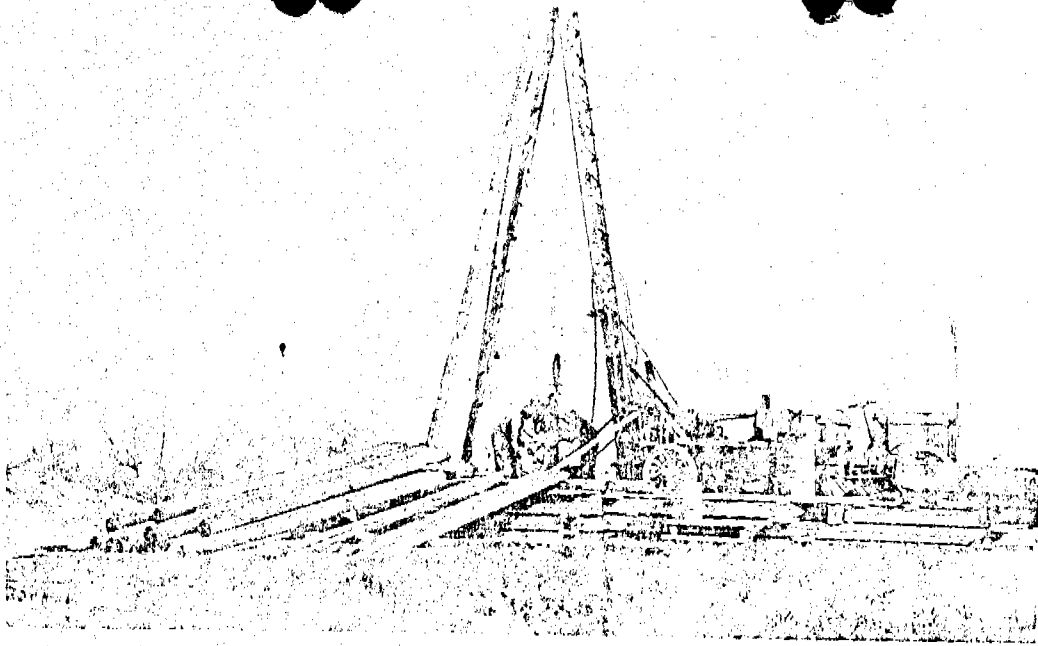


B-38793 Sept. 1931. Another view of gas well crater showing the belching of mud.

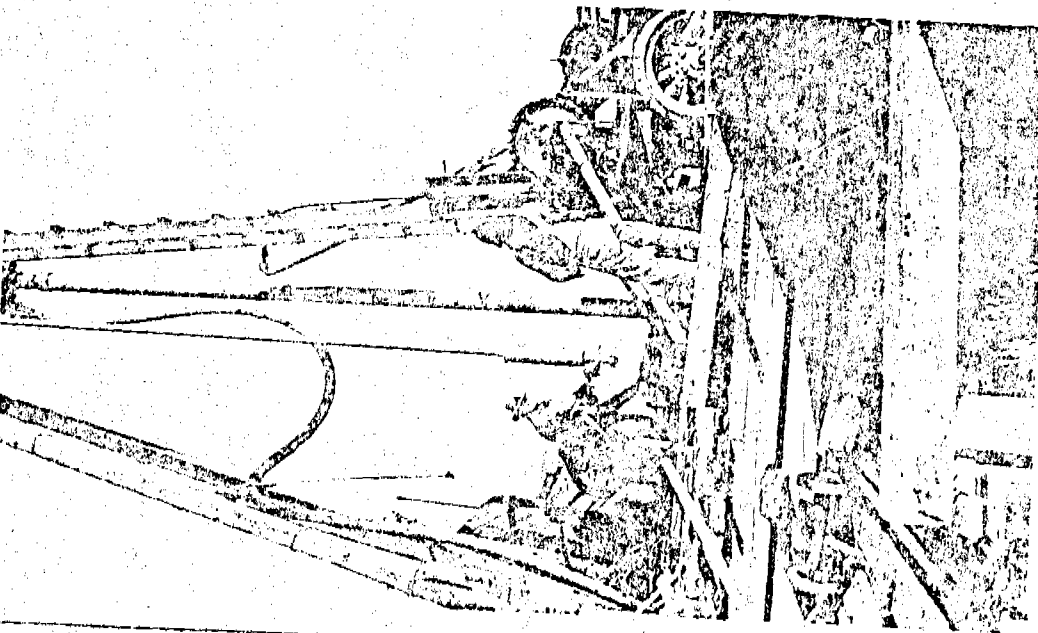
B-38858 8/19/31. Well #1 at Refuge Hairs. A few hours after gas started to blow, showing rotary table completely covered with mud. Note mud flying in the air.



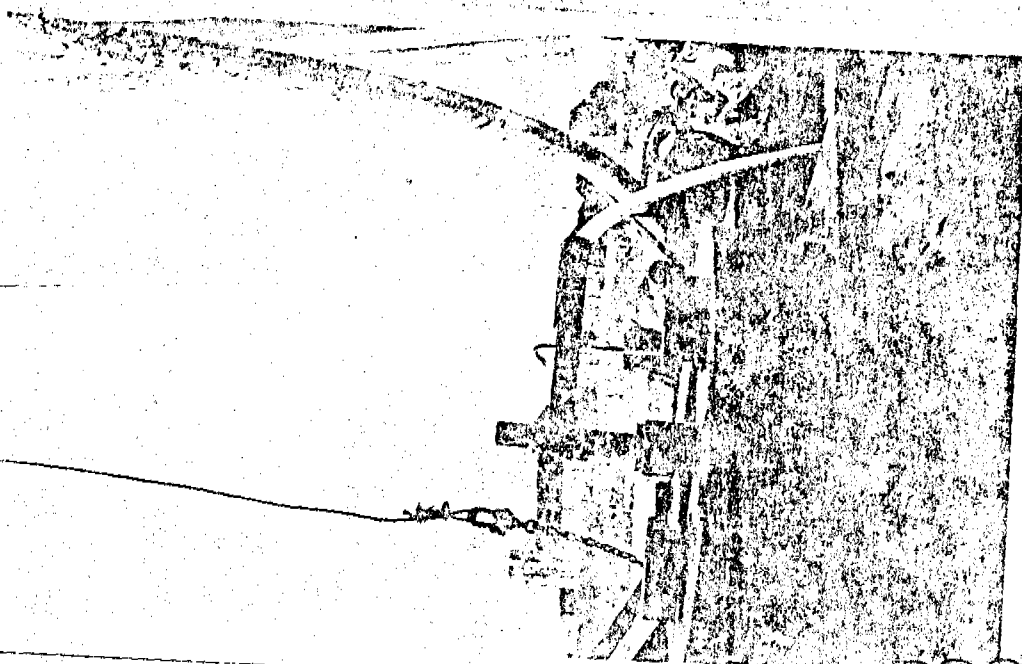
POOR COPY



B-38826 10/20/51. Well rig at well #2, drilling hole for 8" casing.



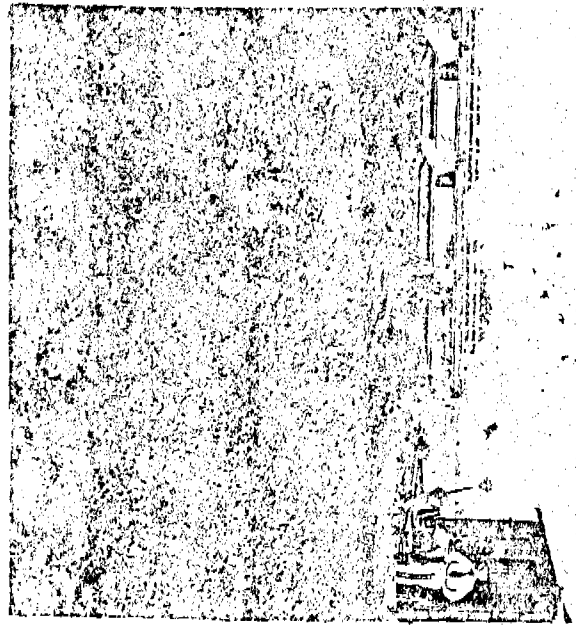
B-38897 11/28/51. View of well rig at Refuge headquarters, preparing to clean out 4" casing.



B-38852 12/16/51. Looking west at well #2, showing flow of water from 4" casing.

POOR COPY

into the air.
 well at Refuge, blowing clouds of mud

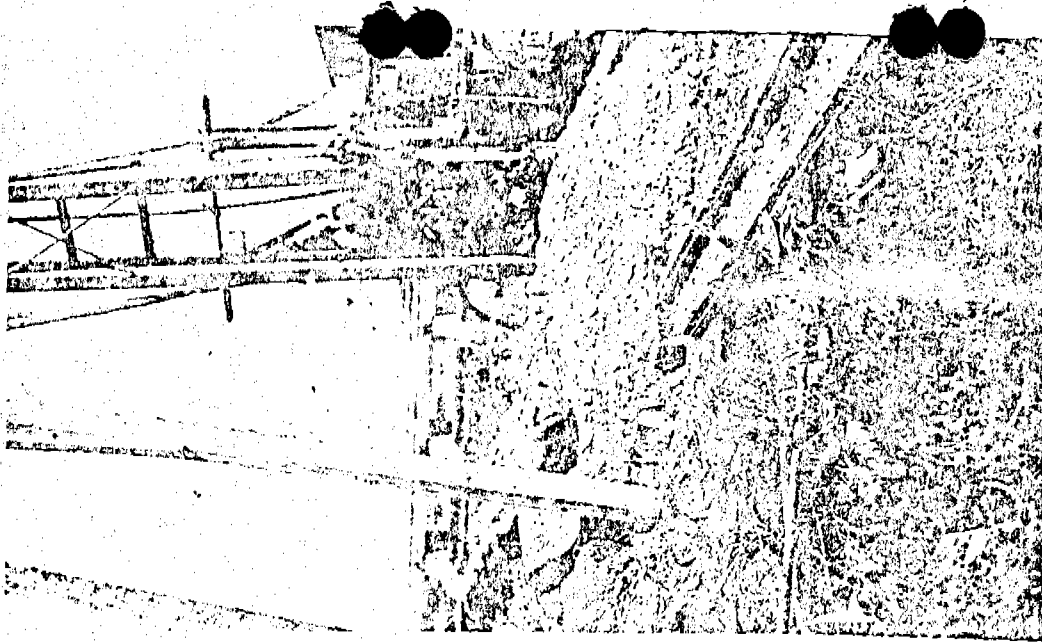


Looking west from top of Gov't. cabin at
 gas & mud is pumped out. Surveys from

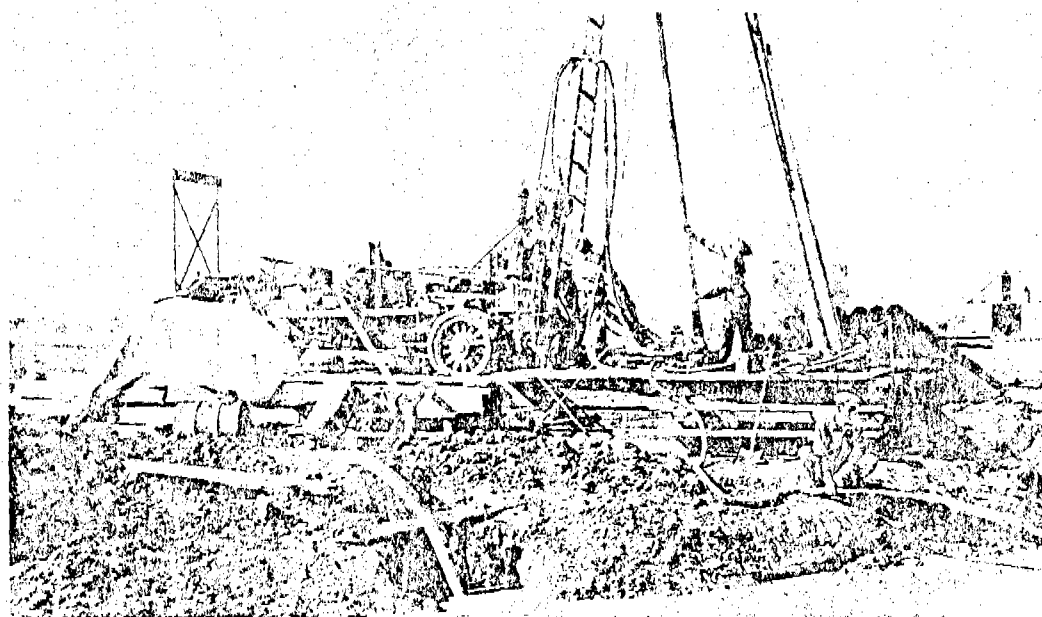


#1-6 August 20, 1931. Looking east at well No.
 Refuge headquarters just after well rig had been
 shot down and mud in the air.

POOR COPY



B-38839 8/19/31. Another view, looking east at well #1 showing pile of mud blown out by gas, a few hours after gas was encountered.



B-38815 10/20/31. Well rig, showing drill-stem used for drilling 8" casing.



B-38311 8/21/31. View of gas well from top of cabin, showing crater that was formed and the belching of gas and mud.

POOR COPY

December 19, 1975

State of Utah
Office of the Attorney General
Room 236 - State Capitol Building
Salt Lake City, Utah 84114

ATTENTION: Vernon B. Romney, Attorney General

Dear Mr. Romney:

At the present time, approximately 14 miles due west of Brigham City and adjacent to the Bear River Migratory Bird Refuge, is a 40-year old well leaking methane gas. The well is located on private land owned by the Duckville Gun Club.

The well has parted or ruptured casing at approximately 100 feet. The gas, which is originating in the well at a depth of about 300 feet, is escaping from the casing rupture and dispensing throughout the upper alluvial strata. It is subsequently surfacing at various remote spots from the well head proper, including leaks most noticeable in the River itself.

An attempt was made by Halliburton Company to plug the leak by pumping cement and cement mixtures down the well, however, this proved to be unsuccessful after several endeavors. It now appears that the only action which could remedy the situation would be to move in a rotary rig, wash over the pipe in the hole to total depth, recover the existing pipe, replace it with new pipe and cement to surface the annular space between the pipe and hole. It is estimated that the approximate cost of this remedial work should not exceed \$20,000.

This Division is of the opinion that the escaping gas is a waste of a natural resource and constitutes a hazard to the public health and welfare to those individuals who not only reside in the immediate vicinity, but to those who desire to travel the county road through the area.

It is, therefore, requested that an opinion be given as to the following:

- 1) Is the Duckville Gun Club obligated to rectify the existing situation?

Blackett
5

801-533-5771

January 2, 1976

Mr. Orson Blackett
American Linen Supply
33 East 6th South Street
Salt Lake City, Utah 84111

Dear Mr. Blackett:

With reference to our meeting with Governor Rampton, attached hereto is a copy of our request for an opinion from the Attorney General.

A copy of said opinion, together with Governor Rampton's decision, will be forwarded to you as soon as possible. In the meantime, please disregard our letter of December 15, 1975.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
Director

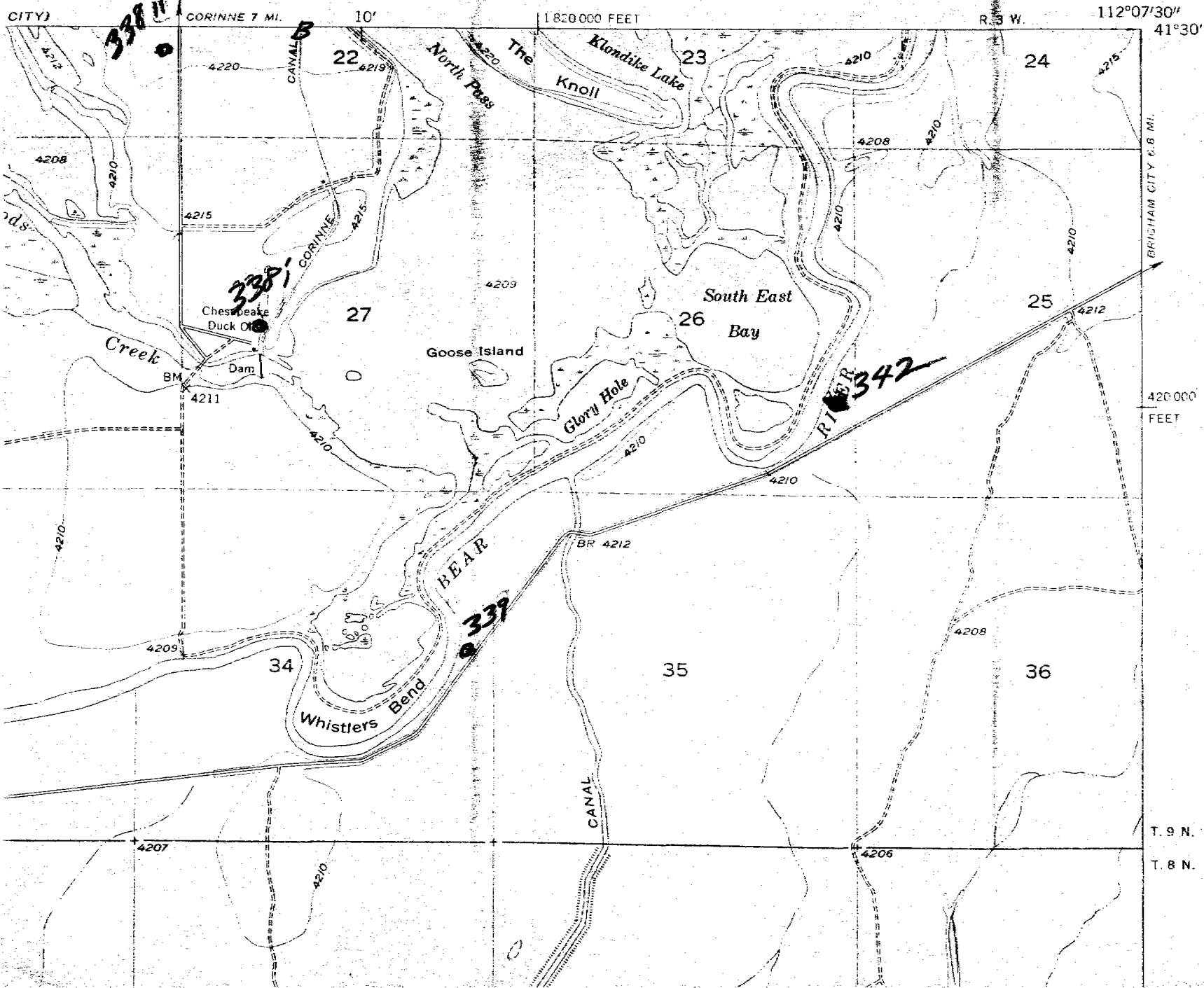
CBF/lc

Enclosures

STATES
THE ARMY
ENGINEERS

WHISTLER CANAL QUADRANGLE
UTAH—BOX ELDER CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

(BRIGHAM CITY)

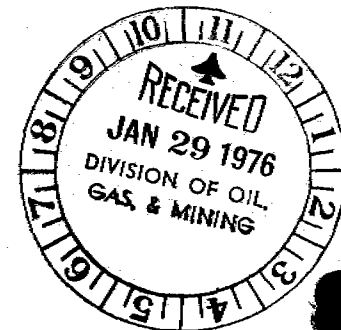
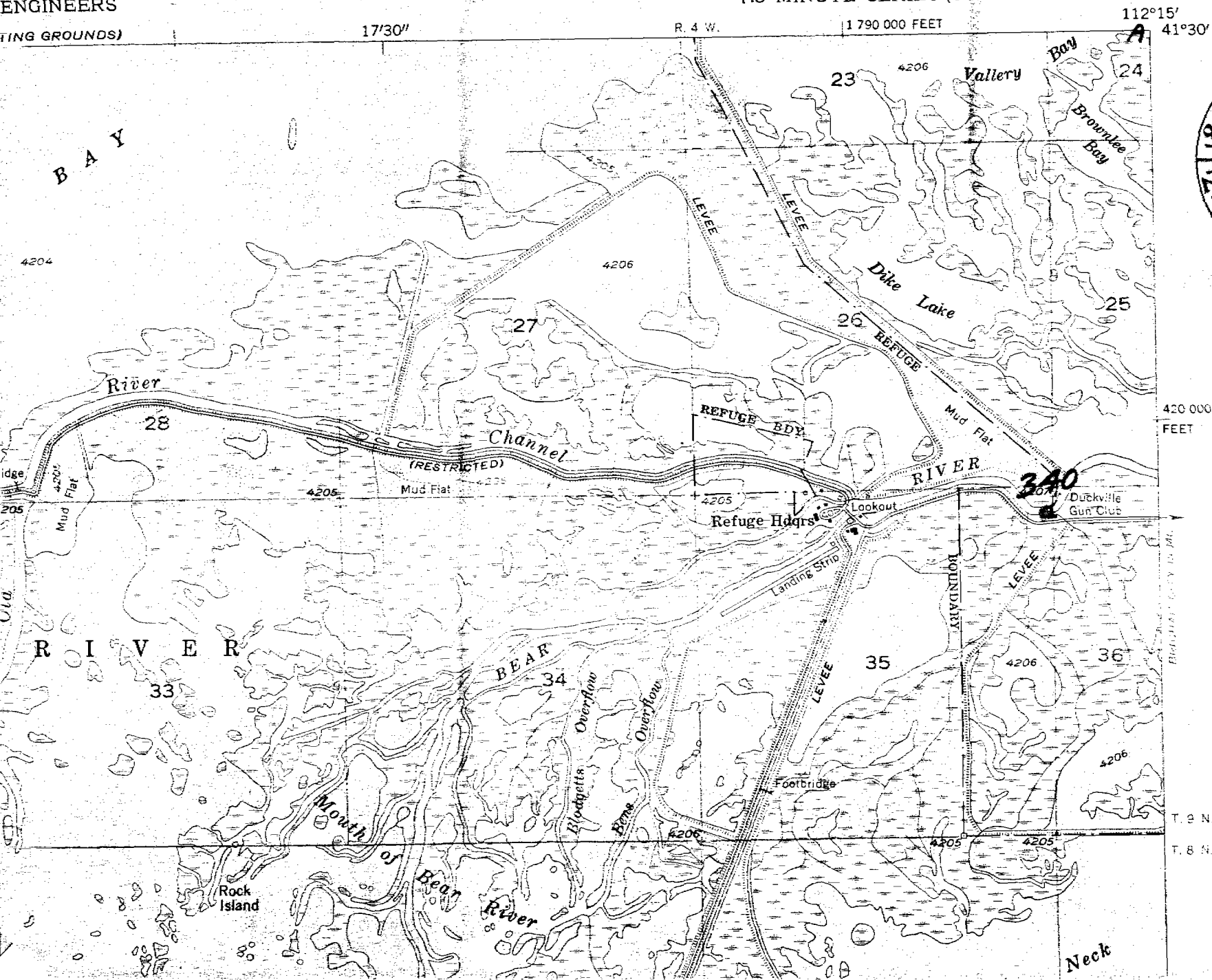


STATES
OF THE ARMY
ENGINEERS

(TIDAL GROUNDS)

MOUTH OF BEAR RIVER QUADRANGLE
UTAH—BOX ELDER CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

(BEAR RIVER CITY)



Duckville file
Copies sent to Lloyd R. Blackett 1/12/75

THE ATTORNEY GENERAL



STATE OF UTAH
STATE CAPITOL • SALT LAKE CITY
328-5261

• VERNON B. ROMNEY
ATTORNEY GENERAL
• ROBERT B. HANSEN
DEPUTY ATTORNEY GENERAL

January 7, 1976

Honorable Calvin L. Rampton
Governor of the State of Utah
200 State Capitol Building
Salt Lake City, Utah 84114

Dear Governor Rampton:

In our conference in your office January 2, 1976, with respect to legal problems involving hazards to life and health resulting from escaping gas from an old well and from the near vicinity of such well located on privately owned land of Duckville Gun Club in Box Elder County, I mentioned that my search of the statutes for the purpose of preparation of a legal opinion requested by the Division of Oil, Gas and Mining, had failed to alert me to anything which would substantiate the contention recently made orally to the Director of that Division to the effect that the Legislature had made an "Emergency appropriation for plugging oil and gas wells." You directed my attention to item 6 of the Appropriation Act of 1975 for fiscal year July 1, 1975, to June 30, 1976, in Chapter 216, Laws of Utah 1975, which someone may have misconstrued:

Item 6

To Governor -- Emergency and Contingency
for State Government
From General Fund 200,000

You also directed my attention to Section 63-38-10 of our statutes as last amended:

63-38-10. Revenue insufficient--Reduction of allotments--Advances --Governor's emergency fund.-- (1) In providing for appropriations it is the declared intention of the legislature that expenditures of departments, agencies and institutions of state government be kept within revenues available for such expenditures.

(2) If the total of all revenues accruing in any given fiscal year to the state general fund or any special fund or fund account, collections or dedicated credits, from which appropriations are made, are not sufficient to cover the appropriations made for said period, the governor shall reduce the budgetary allotments and transfer of funds by the amount of any such deficiency.

(3) No department shall receive any advance allotment or allotments in excess of regular quarterly allotments which cannot be covered within the work program of the fiscal year, except as the governor may allocate

Honorable Calvin L. Rampton
Governor of Utah
January 7, 1976
Page 2

moneys from his emergency fund. All allocations made from the governor's emergency appropriations shall be reported to the legislature through the office of the legislative analyst at least fifteen days prior to the effective date of such action. Allocations from any such appropriation shall be limited to the support of activities having existing legislative approval and appropriation, and in no case shall any such allocation be made for any activity or function rejected directly or indirectly by the legislature.

After a careful examination of the above quoted statute, I fully concur with your view that no part of the Governor's Emergency and Contingency Fund could be utilized to repair or plug or rework the gas well in question which is located on privately owned land.

In my opinion if for any reason any State funds were to be used to remedy the hazardous situation existing at that well and vicinity, those funds would have to be appropriated by the State Legislature for such purpose, by reason of the fact there does not appear to be any current fund or specific appropriation of State money for the plugging or repair of abandoned oil and gas wells. In my letter-opinion issued at the request of the Attorney General to the Division of Oil, Gas and Mining on January 2, 1976, it was expressly stated in paragraph 2: "Neither the Division of Oil, Gas and Mining, nor the Division of State Lands has any fund available for plugging of a gas well of this nature. Neither Division has any authority to utilize any land-grant trust funds for assisting a private landowner to remedy the existing condition." A photo copy of the letter-opinion dated January 2, 1976, to the Division of Oil, Gas and Mining, was delivered to your office.

In our conference on January 2, 1976, you posed a question as to whether the hazard to life and health at the well-site and vicinity is a public nuisance, which the State may find it necessary to take measures to abate in order to protect the public interest. The same view was expressed by Cleon B. Feight, Esq., Director of the Division of Oil, Gas and Mining during the last week in December 1975. Consequently, before I released that letter-opinion dated January 2, 1976, I added the results of my research on the subject of private nuisances and public nuisances starting with paragraph 3 on page 2 and extending to the bottom of page 2. That material was included in the photo copy of the letter-opinion dated January 2, 1976, which was sent to your office. Therefore, it is not repeated in this letter.

I became convinced that some statements made to the Division of State lands and to the Division of Oil, Gas and Mining, by third parties, were not entirely accurate. Consequently, I deemed it advisable to make some further inquiries. One report orally relayed to the Division of Oil, Gas and Mining was to the effect that Mountain Fuel Supply Company had expressed an interest in reworking the well or to drill a new well in order to "augment" the gas supply of that company inasmuch as the gas from that well was said to have a

heat factor of 980 BTU. I called John Crawford, Jr., Esq., a vice-president of Mountain Fuel Supply Company. He told me his company is not interested in that particular area. He put me in contact with B. W. Croft, vice-president for gas supply. Mr. Croft reported that on August 8, 1975, he and a company geologist, Mr. O. C. Adams, at the request of Clarence Newlett who looked after the Duckville Gun Club properties, visited the site. He reported to me that he was informed that about 40 years ago two wells were drilled as water wells within about 30 feet of each other, but that the one well was not productive at least in recent years. The well which produced gas was drilled to a depth of about 340 feet, as was the other well. There was a line pipe 2-3/8ths inch O. D. The pressure apparently had dropped and the well seemed to be clogged. Mr. Croft offered to furnish any information which might be helpful. He said he did not indicate that his company was interested in reworking the well, nor to produce any gas in that vicinity. Mr. Croft said he expressed an opinion that it might be possible to drill a new well a few feet from the old well, and obtain a supply of gas. Subsequently, he learned that Mr. Hewlett or some one acting for the Duckville Gun Club attempted some repairs by inserting a 1 inch pipe down the old casing, to attempt to wash out the well; but it was not possible to get the inch pipe down below 100 feet. After the well was cleaned out with water down to the 100 foot depth, there was some recovery of gas for a relatively short period of time. It was recommended that Halliburton Company, which is well known in the field, be called in to see what might be done. Mr. Croft said that he was advised that the cement job performed by Halliburton was down only to 100 feet. Apparently that was all Halliburton was asked to do, although the well originally was 340 feet deep. The cement was forced down the old casing, and apparently the old casing had ruptured. After that partial cement job down to only 100 feet inside the old casing, the gas seeped out around the old casing, and in the Bear River and elsewhere in the vicinity. Mr. Croft also reported that he told Mr. Hewlett that it might be possible to bring in a Seismograph (small rotary) rig and to pull the old casing, but that might be very difficult with the old casing filled with cement, since some of the casing might have collapsed in the hole from pressure. He said it might be better to skid over a short distance and drill a new well down to or a 100 feet below the depth of the old well, but with lack of sufficient information, he could not predict what might develop. He indicated to me that there would be no purpose in anticipating that Mountain Fuel Supply Company might become interested as it has already stated it is not interested.

I also called Howard W. Ritzma, of the Utah Geological and Mineral Survey. He said there likely are gas pockets which might make drilling a new well rather hazardous, but lack of records on the well would complicate the making of decisions. He said also that moving over 100 feet and drilling a new well might reach the gas, and stop the seepage, although there is not sufficient information to make any prediction. The fact that one of the two old wells did not have very much gas, would be a factor to consider. He said that considerable caution would have to be exercised in drilling and plugging because of unknown dangers of explosions.

Both Mr. Croft and Mr. Ritzma, indicated that there was a possibility

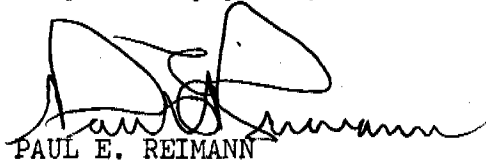
Honorable Calvin L. Rampton
Governor of Utah
January 7, 1976
Page 4

that drilling a new well might be less costly than trying to completely plug the old well, but neither of them could be very sure.

There are some practical considerations as you stated on January 2, 1976. I am convinced that there is no prospect in the foreseeable future that any financially responsible energy company is going to risk spending a lot of money, so that the hopes of some members of the Duckville Gun Club that some third party may come into the area in the near future would appear to be wishful thinking. The Duckville Gun Club represents that it does not have the funds to go ahead with remedying the hazardous situation. It now appears that some of the members have not acted to solve the problem not only by the alleged lack of funds, but also in the erroneous belief that the State of Utah either had an emergency fund to plug or repair old oil and gas wells located on privately owned property or ought to have such a fund.

It appears that the Duckville Gun Club took some measures to revive the old well, not only without following the requirements of the statutes and the regulations of the Division of Oil, Gas and Mining, but with a purpose of restoring some gas supply in the most economical way. That program likely involved negligence on the part of the Club, and created or aggravated a public nuisance.

Respectfully yours,

A handwritten signature in black ink, appearing to read "Paul E. Reimann", is written over a horizontal line.

PAUL E. REIMANN
Assistant Attorney General

PER:mfr

Cc: Division of Oil, Gas and Mining



HALLIBURTON SERVICES

SUITE 470, 1600 BROADWAY, DENVER, COLORADO 80202

C. R. SPROUL
DIVISION CREDIT MANAGER
HALLIBURTON SERVICES

January 13, 1976

Mr. Joe Bernolfo
Secretary-Treasurer
Duckville Gun Club
163 S. Main
Salt Lake City, Utah 84111

RE: Halliburton Invoice #150891
dated: 11-24-75
amount: \$13,977.60

Dear Mr. Bernolfo:

Thank you for your call last evening. Sorry I missed you in Salt Lake last week.

Enclosed you will find two xeroxed copies of Halliburton Services referenced invoice signed by Orin Blackett, along with the Work Order Contract signed by P. Hewlett. The original invoice was sent to you along with Mr. Killman's letter dated Dec. 1, 1975. Also, extra copies were made for you in Mr. Blackett's office Dec. 8, 1975.

You mentioned these copies are needed for your attorney to review, so I tried to get the copies as clear as possible. However, in the event he has any questions concerning the account please have him call me at 303/255-0461.

As I mentioned to you in Mr. Blackett's office, the lien period in your state is only eighty days, which period will expire Feb. 12, 1976. It appears to me that the account may not be paid by that time, so by copy of

.../2/

Mr. Joe Bernolfo
Duckville Gun Club
136 S. Main
Salt Lake City, Utah 84111

Janu 13, 1976
Page 1

this letter to Mr. J. S. Clarkson, Halliburton Area Credit Manager, I am requesting that if Mechanic's and Materialman's Liens have not already been filed, that he so have them filed in Box Elder County at once. Upon payment of the account, you will be furnished with a Release of Lien.

If I may be of further help in resolving this matter and/or putting this invoice in line for payment, please advise.

Sincerely,



C. R. Sproul
Denver Division
Credit Manager

CRS/e

Encl. (2)

cc: Mr. P. Driscoll,
Utah Oil & Gas Comm.
J. S. Clarkson
B. J. Achord
E. L. McClure

CALVIN L. RAMPTON
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

GUY N. CARDON
Chairman

CHARLES R. HENDERSON
ROBERT R. NORMAN
JAMES P. COWLEY
HYRUM L. LEE

CLEON B. FEIGHT
Director

January 21, 1976

M E M O R A N D U M

TO: Senator Miles 'Cap' Ferry
FROM: Cleon B. Feight
SUBJECT: Plugging of Duckville Gun Club Well

As you know, at the present time, approximately 14 miles due west of Brigham City, and adjacent to the Bear River Migratory Bird Refuge is a 40-year old well leaking methane gas. The well is located on private land owned by the Duckville Gun Club.

The well has parted or ruptured casing at approximately 100 feet. The gas, which is originating in the well at a depth of about 300 feet, is escaping from the casing break and dispensing throughout the upper alluvial strata. It is subsequently surfacing at various remote spots from the well head proper, including leaks most noticeable in the River itself.

The Duckville Gun Club has already expended in the neighborhood of \$16,000. in an unsuccessful attempt to plug this well. It now appears that the only action which can remedy the situation would be to move in a rotary rig, wash over the pipe in the hole to total depth, recover the existing pipe, replace it with new pipe and cement to surface the annular space between the pipe and hole. It is estimated that the approximate cost of this remedial work should be \$25,000.

Memorandum

January 21, 1976

Page Two

This Division is of the opinion that the escaping gas is a waste of a natural resource and constitutes a hazard to the public health and welfare of those individuals who not only reside in the immediate vicinity, but to those who desire to travel the county road through the area, incidently, at the the present time, trapping permits are being issued for use in this area and the Box Elder County Sheriff is requiring each individual who enters said area to sign a waiver exempting the State and County from any liability.

On December 19, 1975, the Attorney General was asked by this Division if the State of Utah could use public funds to assist the Gun Club in paying for the remedial work on the well due to the hazards which may affect the general public. In a letter to the Governor concerning his opinion, Mr. Paul Reimann, Assistant Attorney General, indicated that "if for any reason any State funds were to be used to remedy the hazardous situation existing at that well and vicinity, those funds would have to be appropriated by the State Legislature for such purpose, by reason of the fact there does not appear to be any current fund or specific appropriation of State money for the plugging or repair of abandoned oil and gas wells."

Although this well is owned by the Duckville Gun Club and is on private land, the staff can see no reason why the State should not, because of the risk to the public and the law of correlative rights, assume the responsibility of plugging same.

This Division is fearful that unless this condition can be corrected without delay, there is a possibility that some cratering will take place with further damage resulting to the area. As said well is in close proximity to the Bear River Bird Refuge road it appears that, in addition to other damage, there is a serious danger of fire and explosion.

Memorandum

January 21, 1976

Page Three

Any assistance you may be able to give in this matter would be appreciated. For your information we are enclosing copies of the Assistant Attorney General's opinion and his letter to Governor Rampton.



Calvin L. Rampton
Governor
Gordon E. Harriston
Executive Director,
Department of Natural Resources

UTAH GEOLOGICAL AND MINERAL SURVEY

Donald T. McMillan, Director

103 UGS Bldg., University of Utah
Salt Lake City, Utah 84112
(801) 581-6831

January 27, 1976



Mr. Ned I. Peabody, Refuge Manager
Bear River Migratory Bird Refuge
P.O. Box 459
Brigham City, UT 84302

Dear Mr. Peabody:

The first visit to the Duckville Gun Club by us was made on December 5. One primary reason for the trip was to field test a new instrument we acquired to detect combustible gas, the DETECTO PAK II by Heath.

Under a grant from the U. S. Geological Survey's Earthquake Hazard Reduction Program our agency is investigating the potential hazard from shallow subsurface accumulations of combustible gas in or near the Wasatch Fault zone.

We have located several wells that are yielding natural gas west of Brigham City. On January 19 we took measurements at each of these and returned to the Duckville Gun Club to take a 100 ml. gas sample for possible sulphur isotope determination.

The earlier visit revealed gas escaping over perhaps a larger area than first believed. While the major vent appeared to be under the abandoned wood shack on the edge of the Bear River Channel, we detected gas venting from the gravel 200 feet or so to the east, alongside the channel. Gas was also venting in the canal, just north of the road, east of the buildings.

I am providing you with maps showing the locations of four other stations east of the Duckville Gun Club in the event you are interested. The reading we get at the Duckville Gun Club (Station 340) is 100% combustible gas. The other four stations are wells; station numbers 338i and 338ii being abandoned and no reading possible. Station 339 is yielding 15%

Page 2

combustible gas and Station 342, 20% combustible gas.

We intend to do no additional work in this immediate area other than to acquire historical data of natural gas occurrences.

We would be grateful if you would share with us any additional information you may have on this subject.

Sincerely yours,

BRUCE N. KALISER
Chief, Urban & Engineering
Geology Section

BNK/dd

James F. Tadlock

Petroleum Consultant

P. O. BOX 418

VERNAL, UTAH 84078

TELEPHONE
789-3573

- OIL & GAS PROPERTY MANAGEMENT
- GAS PRODUCTION ECONOMICS
- DRILLING ECONOMICS
- WELL COMPLETIONS

- WORKOVERS ●
- GAS WELL TESTING ●
- GAS ENGINEERING ●
- SALVAGE ECONOMICS ●

February 18, 1976

WELL HISTORY AND ABANDONMENT DUCKVILLE GUN CLUB GAS WELL BOX ELDER COUNTY, UTAH

HISTORY

This well was drilled in 1939, by the Duckville Gun Club for source gas to heat and supply the club house. A 1 3/4" drill was used and 2 3/8" O.D. line pipe was driven in the 1 3/4" hole to 301 feet. The 1 3/4" hole was drilled to a T. D. of 339 feet.

The well produced gas until a bridge or obstruction stopped the gas flow. During 1975 the Duck Club manager reworked the well by washing down inside the 2 3/8" pipe w/1" pipe; bridges were flushed out to a depth of 100 feet at which point the 1" encountered a solid bridge, or obstruction which prevented further probe with the 1" pipe. Gas flow was increased by this re-work; the well shut in for further use until November of 1975 at which time gas was observed breaking out at various points around the well.

During November 1975 an attempt to plug the well was made by pumping cement down the 2 3/8" pipe. This attempt failed to shut off the gas. The well was shut in and continued to flow uncontrolled gas until the abandonment was under taken by the Utah Division Of Oil, Gas, and Mining.

P & A

February 10, 1976 moved over well with Colorado Well Service. Set up rig over the original well bore, began washing over 2 3/8" pipe with 5 1/2" O.D. pipe. As washover proceeded a noticable decrease in gas was observed in the surrounding leaks and most of the gas flow was diverted to the new well bore, created by the wash over pipe.

The well was cleaned out to a depth of 160 feet with a moderate flow of gas present. A bridge was encountered in the interval 160' to 170'. At 170' the pipe fell through a void space to 175' at which time the well came in with strong blow of gas.

The wash over pipe was set down on a shoulder and the gas diverted through the 5 1/2" casing, flow was measured by means of a pitot

tube at 1,450 MCF/D, with a shut in pressure of 95 p.s.i.. The well was permitted to flow to the atmosphere overnight.

The following morning, personnel of Mountain Fuel Supply Company, measured the flow at 1,140 MCF/D, again measurement was by means of a pitot tube.

Plug #1 Cemented through 5½" casing w/200 cubic feet cement w/3% CACL and 3% salt, mixed 16.5 to 17 pounds per gallon. Poor circulation around 5½" during cementing. Stage in flush 30 minutes, no increase in pressure, cement was staying in place and was not falling away. Cleared 5½" casing. Shut in well W.O.C. 18 hours. Found top of cement back of 5½" at 100 feet, main gas flow sealed off, slight gas flow present on upper gas sands and charged up formation around 5½" casing, from 0 - 100 feet.

Ran in w/1½" tubing to 100 feet to top of cement on 5½" casing. Mix 60 barrels gel pump in with trace of circulation on 60 barrels of mix.

Plug #2 Cemented down 1½" tubing 100 feet - 60 feet w/25 sacks w/3% CACL.

Plug #3 Cemented down 1½" tubing at 60 feet - 50 feet w/25 sacks w/3% CACL.

Plug #4 Cemented down 5½" casing w/25 sacks w/3% CACL. Flushed 5½" to 175 feet W.O.C. 18 hours.

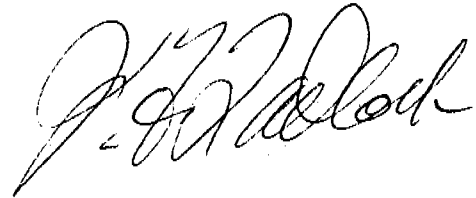
An attempt to pull the 2 3/8" pipe from inside the 5½" was not successful; however, previous reports that the 2 3/8" pipe may have parted at about 100 feet would not be true, since enough pull was exerted on the 2 3/8" to pull more than 100 feet of pipe.

The 1½" tubing was again ran in the well along-side the 5½" casing and set up cement was found at 50 feet, cement stringers were drilled out to the 100 feet level.

Plug #5 Cemented down 1½" tubing set at 100 feet w/140 sacks cement w/3% CACL; followed by 18 sacks regular cement and 18 sacks Cal-Seal pulled 1½" tubing to 30 feet, cemented w/22 sacks cement and 22 sacks Cal-Seal cement came to 15 feet below ground level. A gas cut water flow was present after placing above plugs. W.O.C. 18 hours pumped out cellar found large cavity under rig and surrounding well bore.

Plug #6 Cap well w/18 cubic yards remix w/2% CACL, sealed well except for minor air and gas bubbles working out of cement. Shut in well for observation.

2-16-76 Move off of location with all equipment and level pits and clean up location.

A handwritten signature in cursive script, likely reading "J. H. Black", is positioned in the lower right quadrant of the page.

James F. Tadlock

Petroleum Consultant

TELEPHONE
789-3573

P. O. BOX 418

VERNAL, UTAH 84078

- OIL & GAS PROPERTY MANAGEMENT
- GAS PRODUCTION ECONOMICS
- DRILLING ECONOMICS
- WELL COMPLETIONS

- WORKOVERS
- GAS WELL TESTING
- GAS ENGINEERING
- SALVAGE ECONOMICS

GROUND LEVEL

Drillers Log of well
When drilled year 1939



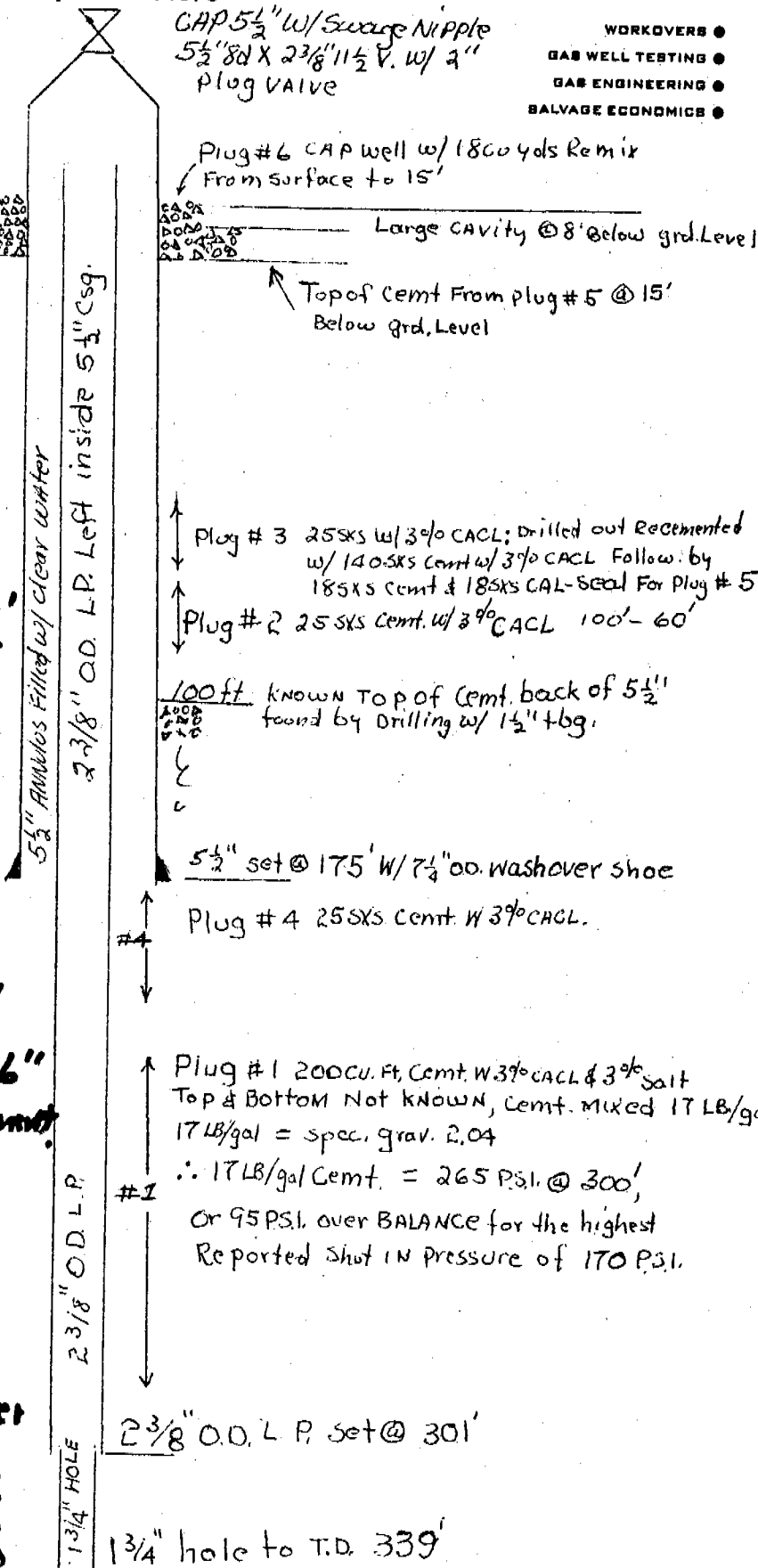
1st gas Flow as Pr Driller
This Show Reported as a Flow
of Water & gas

95'

1st Hard PAN Pr. Driller 250'

2nd gas Show: Flow of 256'6"
Dry Gas No Record of measurement
Water & more gas to 300'

2nd Hard PAN @ 301' - Pr. Driller
Strong Flow of Dry Gas



INVOICE DATE February 18, 1976

INVOICE NUMBER 76-007

James F. Tadlock

Petroleum Consultant

TELEPHONE
789-3573

OFFICE, BANK OF VERNAL BUILDING

P. O. BOX 418 VERNAL, UTAH 84078

- OIL & GAS PROPERTY
MANAGEMENT
- GAS PRODUCTION
ECONOMICS
- DRILLING ECONOMICS
- WELL COMPLETIONS

PROJECT

Duckville Gun Club Gas Well
Abandonment, Box Elder County, Utah

- WORKOVERS
- GAS WELL TESTING
- GAS ENGINEERING
- SALVAGE ECONOMICS

TO:

State Of Utah

Division Of Oil, Gas, And Mining

1583 West North Temple

Salt Lake City, Utah 84116

Furnished transportation and own expense for service rendered to
program well abandonment, travel to Salt Lake City, Brigham City,
and non-rig supervision; plus rig supervision as below:

1-30-76 thru 2-9-76 As per attached Activity Report:

6 days @ \$125.00 per day-----\$ 750.00

2-10-76 thru 2-16-76 On site Rig Supervision as per
Activity Report:

7 days @ \$250.00 per day----- 1,750.00

Total this Invoice-----\$ 2,500.00

*Submitted
for payment
2-27-76*

SPLIT MOUNTAIN PIPE & STEEL

MORNING REPORT FORM

DATE February 16, 1970

COMPANY NAME St. Pol State LEASE & WELL Duckville Gas Job

RIG TYPE Franks FIELD COUNTY Box Elder

T.D. 240' FT. 2 " CSG. SET AT 301 5 1/2 Set @ 120 FT. P.B.T.D. FT.

MOVE IN 1 DAYS OPERATING 6 DAYS PULLING FTG. DOWN TIME HRS.

ACTIVITY @ REPORT TIME: Rigging Down & moving off Loc w/ Col to well Serv.

COST TODAY \$3446.50 CUMULATIVE COST \$21,677.10 FTG. HRS.

ACTIVITY THIS TOUR

OPERATOR: Break Down Time Such As Travel Time, Rig Time, Killing Well, Tripping Tbg., Size and Depth of All Plugs, Shots, Mud Used, Standby Time, Circulating, etc.

HOURS ACTIVITY

Gas Flow decreased ~~with~~ well flooding water slightly gas cut, Pumped out
 collar cap well w/ Ready mix 18 cu yards w/ 2" @ 120
 Start back fill on Earth pits & cleaning cap loc. Dump 3 1/2 cu yards in well out
 by duck shack. Work out Air Patches & Tamp collar w/ Backhoe
 12:41 well holding after placing cap w/csg.
 13 Hrs to Round in
 2 1/2 Hrs Rigging Down & Layout
 (5 1/2 Hrs Rig Time)

	HOURS	RATE	AMOUNT	
Rig Time	13	69 ⁰⁰	897 ⁰⁰	Pusher Blw Halcomb
Pump	50	20 ⁰⁰	1000 ⁰⁰	Driller: John Hart
Trucks 2 @ 48	48	26 ⁰⁰	1248 ⁰⁰	Helper: Tom Darrell
Other Bulldozer	5	16 ⁰⁰	80 ⁰⁰	Helper: Gary Fisher
Cement			571 ⁵⁰	" Harold Schultz
Consulting			250 ⁰⁰	

Excl. Fuel & Fuel Transfer Cost
 To Patch Loc. Change

PLUGGING DETAIL

	Depth	Size Csg.	Hole Size	Number Sks. & Type Cement	Amount & Wt. of Csg. Recovered
Plug No. 1	. to				
Plug No. 2	. to				
Plug No. 3	. to				
Plug No. 4	. to				
Plug No. 5	. to				
Plug No. 6	. to				
Plug No. 7	. to				
Plug No. 8	. to				

Pusher Operator's Agent or Representative St. Pol State

SPLIT MOUNTAIN PIPE & STEEL

MORNING REPORT FORM

DATE February 15, 1976

COMPANY NAME Shale & Oil LEASE & WELL Dickville Gen Club Gas well
RIG TYPE Franks FIELD _____ COUNTY Box Elder
T.D. 340 FT. 2 " CSG. SET AT 301' 5 1/2" @ 100' FT. P.B.T.D. _____ FT.
MOVE IN 1 DAYS OPERATING 5 DAYS PULLING FTG. _____ DOWN TIME HRS. _____
ACTIVITY @ REPORT TIME: Prep to Recement outside 5 1/2" csg
COST TODAY 3076.60 CUMULATIVE COST 18,230.60 FTG. _____ HRS. _____

ACTIVITY THIS TOUR

OPERATOR: Break Down Time Such As Travel Time, Rig Time, Killing Well, Tripping Tbg., Size and Depth of All Plugs, Shots, Mud Used, Standby Time, Circulating, etc.

HOURS

ACTIVITY

Gas outside 5 1/2" Gravelly Redbed From previous day
Clean out w/ 1 1/2" tbg to 100' Drilled cement stringers from 50' to 100'
Tip in w/ Halliburton Cement w/ 100SXs w/ 30b CAI @ 100' Poor Circ.
Pull 1 1/2" tbg to 30' Cement w/ 30SXs Cement 30SXs CAI Seal
Pull 1 1/2" Cement on pipe at 15' Pump out Celler found Hoge Cavity
at abt 8' below Ground Level, Cement w/ 100SXs CAI Seal & 100SXs
Cement into Cavity most of Gas appears to be trapped in Cavity
1200 Noon Shut Down Rig Release Halliburton Start Rigging Down
500 PM Rig crew Rigging Down Power Service, Pump, Lines & Misc. Equip

9 Hrs. Rig

	HOURS	RATE	AMOUNT	
Rig Time	10	67.00	670.00	Asker & Blue Halcomb
Pump Service			150.00	Driller: John Hart
Truck Gasoline			250.00	Helper: Tom Darrell
Other Cement 10005-60	5 @ 20		100.00	Helper: Gary Fisher
Cement Hall			669.75	1. Harold Schutte
Hoses Pump Serv			1136.85	
Pusher			100.00	
			3076.60	

PLUGGING DETAIL

	Depth	Size Csg.	Hole Size	Number Sks. & Type Cement	Amount & Wt. of Csg. Recovered
Plug No. 1	. to				
Plug No. 2	. to				
Plug No. 3	. to				
Plug No. 4	. to				
Plug No. 5	. to				
Plug No. 6	. to				
Plug No. 7	. to				
Plug No. 8	. to				

Pusher

Operator's Agent or Representative

22. S. S. Sack

SPLIT MOUNTAIN PIPE & STEEL

MORNING REPORT FORM

DATE Feb 14 1976

COMPANY NAME State of Utah LEASE & WELL Duckville Gun Club

RIG TYPE Frank's Polaris 1150W FIELD 1 COUNTY Box Elder

T.D. 440' FT. 2 " CSG. SET AT 301 5 1/2' @ 160' FT. P.B.T.D. Internal Pack 160' FT.

MOVE IN 1 DAYS OPERATING 4 DAYS PULLING FTG. DOWN TIME HRS.

ACTIVITY @ REPORT TIME: Prep to Pick up 1 1/2' 46g & go down outside 5 1/2'

COST TODAY 13790.00 CUMULATIVE COST 15,134.00 FTG. HRS.

ACTIVITY THIS TOUR

OPERATOR: Break Down Time Such As Travel Time, Rig Time, Killing Well, Tripping Tbg., Size and Depth of All Plugs, Shots, Mud Used, Standby Time, Circulating, etc.

5 1/2' @ 160'

HOURS

ACTIVITY

Gas up outside 5 1/2" about the same as check at 5:30 pm yesterday

Considerable loss than the string block cemented off

Pull on 5 1/2" 20000 lbs stock, Pull on 2" w/inside also stock

Fluid level static at 5 1/2"

Run in 5 1/2" 3 1/2' w/ Halliburton No Press, No Circulation

Start washing down outside 5 1/2" at 1 1/2" 46g. per circulation w/ Harnadapump

Washed over to 100' Top of Cement out side 5 1/2"

Mix Gel 60 Bbls Cmc on 50 Bbls, gel would decrease Pres on Flow

Cement w/ 25 sxs Reg 2 to CACI 100' - 50'

Cement w/ 25 sxs Reg 2 to CACI 100' - 50'

Cement w/ 25 sxs at 60 ft w/ 300 CACI

8 hrs Vig

	HOURS	RATE	AMOUNT	
Rig Time	10	69 00	690 00	Pusher Blu Halcomb
Pump	Prime Switch	150 00	150 00	Driller: John Hart
Truck	Cement 615 ⁰⁰ Cost 370 ⁰⁰ CACI		1040 00	Helper: Tom Darrell
Other	Primer 14	20 00	80 00	Helper: Gary Fisher
	Pusher 14		500 00	Jimmie Schults
	Cons 14		250 00	
				<u>Cost 914⁰⁰</u>

PLUGGING DETAIL

	Depth	Size Csg.	Hole Size	Number Sks. & Type Cement	Amount & Wt. of Csg. Recovered
Plug No. 1	100' to 160'	2 1/2" 46g	2 1/2" 46g	200 sxs 37 CACI 100' - 50'	
Plug No. 2	60' to 100'	2 1/2" 46g			
Plug No. 3	to 60'			25 sxs 37 CACI	
Plug No. 4	to			25 sxs 37 CACI inside 5 1/2"	
Plug No. 5	to				
Plug No. 6	to				
Plug No. 7	to				
Plug No. 8	to				

Pusher Operator's Agent or Representative P. J. [Signature]

MORNING REPORT FORM

DATE 12-1-82

RIG TYPE Pumpjack FIELD Box E-104 COUNTY Box E-104

T.D. _____ FT. _____ " CSG. SET AT _____ FT. P.B.T.D. _____ FT.

MOVE IN _____: DAYS OPERATING _____ DAYS PULLING FTG. _____ DOWN TIME HRS. _____

ACTIVITY @ REPORT TIME: END to CONTACT

COST TODAY 2717.5 CUMULATIVE COST 11,344.01 FTG. _____ HRS. _____

ACTIVITY THIS TOUR

OPERATOR: Break Down Time Such As Travel Time, Rig Time, Killing Well, Tripping Tbg., Size and Depth of All Plugs, Shots, Mud Used, Standby Time, Circulating, etc.

HOURS

ACTIVITY

144

Aluminum found track outside of Ames, 1000 ft. N. of bridge Ames, Ind.

Am. Mus. Nat. Hist. - 223

1130

Completed down 5 1/2" out 2" pipe w/200 cu ft Cement w/3% CACI

+ 3% salt mix 16-17 lb/gal w/ 5 1/2" set on shoulder 400-3rd down

20/ most of center poor circulation throughout job shut off Strongflow

of gas w/ wood gas circulating up during & after lab experiment was

Heard of 54" w/ ODS Standing press after staying 30 min.

Bill was not our unknown, shot in June

Dry Watch $\frac{1}{2}$ crew midnite to 8AM

For total

(2 Hrs. Reg. time)

	HOURS	RATE	AMOUNT	
				Rusher Blu Holcomb
Rig Time		67 00	690 00	Driller: John Hart
Pump				Helper: Tom Darrell
Truck				Helper: Harold Schultz
Other		250 00	250 00	
Material			2617 51	
	14	20 00	80 00	

PLUGGING DETAIL

	Depth	Size Csg.	Hole Size	Number Sks. & Type Cement	Amount & Wt. of Csg. Recovered
Plug No. 1	. to				
Plug No. 2	. to				
Plug No. 3	. to				
Plug No. 4	. to				
Plug No. 5	. to				
Plug No. 6	. to				
Plug No. 7	. to				
Plug No. 8	. to				

Pusher _____ Operator's Agent or Representative *[Signature]*

Operator's Agent or Representative John L. Baker

SPLIT MOUNTAIN PIPE & STEEL

MORNING REPORT FORM

DATE _____

Feb. 12, 1971

COMPANY NAME State of Idaho LEASE & WELL Duckville Comm Club

RIG TYPE FRANKS FIELD _____ COUNTY Box Elder

T.D. _____ FT. 2 " CSG. SET AT 301 _____ FT. P.B.T.D. _____ FT.

MOVE IN 1 DAYS OPERATING 21 DAYS PULLING FTG. DOWN TIME HRS.

ACTIVITY @ REPORT TIME:

COST TODAY \$2221.00 CUMULATIVE COST 7626.50 FTG. _____ HRS. _____

ACTIVITY THIS TOUR

OPERATOR: Break Down Time Such As Travel Time, Rig Time, Killing Well, Tripping Tbg., Size and Depth of All Plugs, Shots, Mud Used, Standby Time. Circulating, etc.

WASHING STATE (c) 63

HOURS

ACTIVITY

✓ Ass Start up Rig up Fans, Bico Rastel Truck w/ Blts 5 1/2" O.D. mix. Cq.

14 1550 t to LB

2. 100' Drilled at 100' Drilled Slight Hard Pan at 95' as per original Driller Report.

200' Hole made over to 130' most gas around hoc shut off w/ Drilling & Wash

am / to strong gas blow from well bore No Notable increase in volume
this neg-ve 150' (4 1/2) 5 1/2' washover pipe

1.20 1m ϕ washier to 163' Moderate increase in gas on this int. with increase in pressure

200 par. - back this foot ~~work~~ down and you should be blowing out

Open through manifold to relieve press & stop working out

Strong Blow Dry Gun on 5' 11"

100 km/sec. 10/Stop made pilot to be fast HPS on springing, 1.40 mcf/c
in 1st pass 95 psi.

2. Watchman on duty
7.0.175 St

11 hrs Extra for Dry watch $\frac{1}{2}$ crew

52 Hrs

	HOURS	RATE	AMOUNT	
Rig Time	10	69 00	690 00	Pusher Bio Halcomb
Pump	10	7 00	70 00	Driller: John Hoxst
Truck	15	22 00	330 00	Helper: Tom Darrell
Other	Freight	40 20 00	80 00	Helper: Gerald Schults
	Subsistence	270 00	270 00	
	Travel time	40 00	40 00	
	miscel	250 00	250 00	

PLUGGING DETAIL

	Depth	Size Csg.	Hole Size	Number Sks. & Type Cement	Amount & Wt. of Csg. Recovered
Plug No. 1	. to				
Plug No. 2	. to				
Plug No. 3	. to				
Plug No. 4	. to				
Plug No. 5	. to				
Plug No. 6	. to				
Plug No. 7	. to				
Plug No. 8	. to				

Pusher: _____

Operator's Agent or Representative

P. F. Black

SPLIT MOUNTAIN PIPE & STEEL

MORNING REPORT FORM

DATE February 11, 1976

COMPANY NAME State of Utah LEASE & WELL Duckville Gasm Club

RIG TYPE Frame FIELD Box Elder COUNTY Box Elder

T.D. 240 FT. 2 " CSG. SET AT 201 FT. P.B.T.D. FT.

MOVE IN 1 DAYS OPERATING 0 DAYS PULLING FTG. DOWN TIME HRS.

ACTIVITY @ REPORT TIME: Rigging up

COST TODAY \$2066.00 CUMULATIVE COST \$5395.50 FTG. 63' HRS. 2 hrs

ACTIVITY THIS TOUR

OPERATOR: Break Down Time Such As Travel Time, Rig Time, Killing Well, Tripping Tbg., Size and Depth of All Plugs, Shots, Mud Used, Standby Time, Circulating, etc.

HOURS

ACTIVITY

8:00 AM Move on Loc w/ Colo Well SERVICE Rig, Set up Derrick, Break out Cement Plug, Set in pumps, Light plant, Fire Extinguishers, Connect guy lines, Connect pumps.
2:00 PM Start w/o w/ 5" csg to 63 ft gas flow reduced on surrounding Area. Shut off at Duck Shocks, Gas increased on well bore as drilled out.

Rig Time

	HOURS	RATE	AMOUNT	
Rig Time	10	69 00	690 00	Pusher Blu Holcomb
Pump	10	7 00	70 00	Driller: John Hoot
Truck (2)	14	26	728 00	Helper: Tom Darrell
Other	Circulating		250 00	Helper: Jack Gold Schuts
Backhoe	10	16 00	460 00	
Sub 40 20	1 day	150 00	150 00	

PLUGGING DETAIL

	Depth	Size Csg.	Hole Size	Number Sks. & Type Cement	Amount & Wt. of Csg. Recovered
Plug No. 1	. to				
Plug No. 2	. to				
Plug No. 3	. to				
Plug No. 4	. to				
Plug No. 5	. to				
Plug No. 6	. to				
Plug No. 7	. to				
Plug No. 8	. to				

Pusher Operator's Agent or Representative John Hoot

SPLIT MOUNTAIN PIPE & STEEL

MORNING REPORT FORM

DATE February 10 1976

COMPANY NAME State of Utah LEASE & WELL Duchville Gun Club

RIG TYPE Franklin Explorer II Job No. 11 FIELD _____ COUNTY _____

T.D. 247 FT. 242 " CSG. SET AT 201 FT. P.B.T.D. EST 100 FT.

MOVE IN 1 DAYS OPERATING 1 DAYS PULLING FTG. _____ DOWN TIME HRS. _____

ACTIVITY @ REPORT TIME: Rigging Dead men holes collar & pits

COST TODAY 2577.50 CUMULATIVE COST 3329.50 FTG. _____ HRS. _____

ACTIVITY THIS TOUR

OPERATOR: Break Down Time Such As Travel Time, Rig Time, Killing Well, Tripping Tbg., Size and Depth of All Plugs, Shots, Mud Used, Standby Time, Circulating, etc.

7:00 AM got truck off of Interpaved hillside to Red Barron parking lot.

HOURS _____ ACTIVITY _____

10:00 AM Move in w/ load pipe & tbg, mud, mixed rocks get 20' to 1 1/2" Hg

1 20' 2 5/8" Csg & 15' 10 3/4" Csg. split men pipe to steel track

11:00 11 start rigging out pit w/ Whitaker Construction Back hoe dig out well head,

3 2 dead men holes clear snow from location.

2:00 PM Cement in dead men w/ parson Road mix 6 cu yards on 4 inches for

1 dry holes.

2:00 Backfill dead men holes around pump site

3 Shut down house backhoe on loc for use in rigging up

house loc w/ Whitaker's operator Drive to Brigham City

	HOURS	RATE	AMOUNT	
Rig Time	V 13 13	69 00	897 00	Driller: <u>Rushor Bl. Halcomb</u>
Pump	<u>Cement</u>		190 50	Helper: <u>John Hart</u>
Truck 2	26	74 00	176 00	Helper: <u>Tom Darrell</u>
Other	<u>Parson</u>		250 00	Helper: <u>Harold Schulte</u>
<u>Sub H</u>	1	20 00	80 00	
<u>Backhoe</u>	6	16 00	96 00	

Truck w/ mud & mix 15 2 26 00

PLUGGING DETAIL

	Depth	Size Csg.	Hole Size	Number Sks. & Type Cement	Amount & Wt. of Csg. Recovered
Plug No. 1	. to				
Plug No. 2	. to				
Plug No. 3	. to				
Plug No. 4	. to				
Plug No. 5	. to				
Plug No. 6	. to				
Plug No. 7	. to				
Plug No. 8	. to				

Pusher _____ Operator's Agent or Representative 2222

SPLIT MOUNTAIN PIPE & STEEL

MORNING REPORT FORM

DATE Jan 30 - Feb 9, 1976

COMPANY NAME State of Utah LEASE & WELL Darkeville Green Oil

RIG TYPE _____ FIELD _____ COUNTY _____

T.D. _____ FT. _____ " CSG. SET AT _____ FT. P.B.T.D. _____ FT.

MOVE IN _____ DAYS OPERATING _____ DAYS PULLING FTG. _____ DOWN TIME HRS. _____

ACTIVITY @ REPORT TIME: _____

COST TODAY 750.00 CUMULATIVE COST 750.00 FTG. _____ HRS. _____

ACTIVITY THIS TOUR OPERATOR: Break Down Time Such As Travel Time, Rig Time, Killing Well, Tripping Tbg., Size and Depth of All Plugs, Shots, Mud Used, Standby Time, Circulating, etc.

HOURS	ACTIVITY
2-20-76	Meet at Presal at Commission off @ 830 AM Drive to Brigham City, Utah
	Meet with State of Utah Oil & Gas Dept. meet with Lloyd Robinson, Tony Lindoff
	Discuss first hand knowledge of well plus fishing that is required. Also meet
	with Art Redding. The Area around well & water well is saturated
	with methane & considerable leak into Bore River & one leak under deck
	showing steam minor leaks across the road. County man in Red Tripp
2-27-76	to Salt Lake City meet with Paul Rimmer Asst. Attorney Gen. at State Law Off.
	Discuss best estimate plus propose work out agreement to use my best
	effort to Abandon & or Complete Well. Agree to remove
2-28-76	help with State Asst. Attorney Gen. and Paul Rimmer & State Law Off. Drive to
	Utah State Capitol Building Due to weather -
	Drive to Salt Lake City meet with Paul Rimmer & State Law Off. Drive to
	Brigham City. Pick up with Paul Rimmer & State Law Off. Drive to
	Brigham City. Meet with Sheriff Art Redding. Discuss availability on weekend for work. Also
	discuss with Brigham City Clerk in at Red Bluff Hotel
	Meet with Whittaker Construction to begin work on well. Weather extreme very poor
	visibility, SD. with weather. Take 12000 Gall. of Oil. Killed CAAP
	Start work on pump from Urethane 88% 10 3/4" 2 1/2" lbs plus mud. Lloyd Robinson
	look for fuel. With weather to clear to move in Rig.

HOURS	RATE	AMOUNT	
Rig Time			Driller:
Pump			Helper:
Truck			Helper:
Other			
		750.00	

PLUGGING DETAIL

Plug No.	Depth	Size Csg.	Hole Size	Number Sks. & Type Cement	Amount & Wt. of Csg. Recovered
Plug No. 1	. to				
Plug No. 2	. to				
Plug No. 3	. to				
Plug No. 4	. to				
Plug No. 5	. to				
Plug No. 6	. to				
Plug No. 7	. to				
Plug No. 8	. to				

Pusher _____ Operator's Agent or Representative _____

WHITAKER CONSTRUCTION CO.

General Engineering Contractor

34 West 4th North Brigham City, Utah 84302

Tel. Brigham 723-2921 Ogden 392-0485

CUSTOMER'S ORDER NO.		PHONE		DATE	
				Feb. 10-18-76	
NAME					
State of Utah ATT: Cleon Feight					
Division of gas, oil & mine--1588 West North Temple					
S.L.C. 84116					
Work at Duckville well					
SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MOSE. RET'D.
				PAID OUT	
15 1/2	Case backhoe			18.00	279.00
2 1/2	Moving			18.00	45.00
Submitted for Payment 2-27-76					
				TAX	
RECEIVED BY				TOTAL	\$324.00

**All claims and returned goods
MUST be accompanied by this bill.**

- LUMBER
- HARDWARE
- MILLWORK

MERRELL'S
INCORPORATED
BRIGHAM CITY, UTAH

1st North & Main 84302

All accounts due 10th of month following date of purchase. Interest will be charged on all past due accounts at a periodic rate of **1 1/2% PER MONTH**, (or a minimum of 36 cents for balances under \$33.00) which is an **ANNUAL RATE OF 18%.**

CONDITION OF SALE: If collection is made by suit or otherwise, I agree to pay interest until paid, also collection costs including a reasonable Attorney's fee, and hereby waive all rights to claim exemption under the State Laws.

DATE _____

19 / 6

NAME Dan E. Johnson of 61 / Gals & Miller

ADDRESS 1385 W North (pud) Salt Lake

TERMS:

ORDER
NO.

DRIVER

✓	PIECES	DIMENSIONS	FEET	KIND	PRICE	AMOUNT
	181	Type 1A	cement		3.70	
<p>Thank You</p>						

Thank

Yours

No. G11457 **Rec'd By**
UARC INCORPORATED

972 Reach

- LUMBER
- HARDWARE
- MILLWORK

MERRELL'S
INCORPORATED
BRIGHAM CITY, UTAH

PAINTS •
GLASS •
COAL •

All accounts due 10th of month following date of purchase. Interest will be charged on all past due accounts at a periodic rate of **1 1/2% PER MONTH** (or a minimum of \$0 cents for balances under \$33.00) which is an **ANNUAL RATE OF 18%.**

DATE _____

NAME 3/2/0 of Utah Division of Oil, Gas, & Mining

ADDRESS 1637 West North Temple Salt Lake City

TERMS:

ORDER
NO.

DRIVER

[illegible]

Thank
You

No. G11346

Rec'd By

SMITHFIELD PLANT
PH. 563-6206

OGDEN PLANT
5100 SO. WASH. BLVD.
PH. 621-2933

TREMONTON PLANT
PH. 257-5425

DEALERS IN FINEST EARTH MATERIALS
READY MIX CONCRETE

Parson Ready-Mix & Paving Co.

P.O. BOX 517

BRIGHAM CITY, UTAH 84302

PHONE 723-5216

DATE 2/16/76 CUSTOMER'S ORDER NO. 19850 ACCOUNT NO.

CHARGE TO

Utah State Div of Oil and Gas Mining

JOB AT

Duckwill Gun Club

QUAN.	DESCRIPTION	PRICE	AMOUNT
18	CU. YDS. CONCRETE 5B	29.30	527.40
	2% Cal	1.70	30.60
	H. water	.75	13.50

LEFT PLANT

DRAYAGE

ARRIVED JOB

LEFT JOB

WAITING TIME

DRIVERS ARE NOT PERMITTED TO ADD MORE WATER WITHOUT AUTHORITY OF CUSTOMER INDICATING BY INITIALING HERE

PARTIAL LOAD CHARGE

TRUCK NO.

TAX

DRIVER

TOTAL

571.50

GROSS

TARE

NET

TONS

NOTICE: Attempt will be made to discharge concrete at location specified by buyer. In event Buyer or his agent orders delivery beyond curb line, Company will not assume liability for damage to sidewalks, driveways, or other property.

Unloading time in excess of 30 minutes will be charged at the rate of \$25.00 per hour.

All accounts due the 10th of the month following date of purchase. A FINANCE CHARGE of 1 1/2% per month which is an ANNUAL PERCENTAGE RATE of 18% will be charged on past due accounts.

BK 5905

LOAD RECEIVED BY

Whitman

Sherriff 734-9444

Amoco 723-5880

Amoco

(mt) Mont 3 undel

willard - 723-6643

SMITHFIELD PLANT
PH. 563-6206

OGDEN PLANT
5100 SO. WASH. BLVD.
PH. 621-2933

TREMONTON PLANT
PH. 257-5425

DEALERS IN FINEST EARTH MATERIALS
READY MIX CONCRETE

Parson Ready-Mix & Paving Co.

P.O. BOX 517

BRIGHAM CITY, UTAH 84302

PHONE 723-5216

DATE	CUSTOMER'S ORDER NO.	ACCOUNT NO.
2/10/76		19850

CHARGE TO Utah State - Div. 4 Oil & Gas Mining -

Attn: Clem B. Feight

JOB AT Duckville Gun Club

QUAN.	CU. YDS. CONCRETE	DESCRIPTION	PRICE	AMOUNT
6		573	29.30	175.80
2 1/2		Gr	1.76	10.20
		H water	.75	4.50

LEFT PLANT DRAYAGE

ARRIVED OB LEFT JOB WAITING TIME

DRIVERS ARE NOT PERMITTED TO ADD MORE WATER WITHOUT AUTHORITY OF CUSTOMER INDICATING BY INITIALING HERE

PARTIAL LOAD CHARGE

TRUCK NO.

TAX

DRIVER

TOTAL

Exm

190.50

GROSS	
TARE	
NET	
TONS	

NOTICE: Attempt will be made to discharge concrete at location specified by buyer. In event Buyer or his agent orders delivery beyond curb line, Company will not assume liability for damage to sidewalks, driveways, or other property.

Unloading time in excess of 30 minutes will be charged at the rate of \$25.00 per hour.

All accounts due the 10th of the month following date of purchase. A FINANCE CHARGE of 1 1/2% per month which is an ANNUAL PERCENTAGE RATE of 18% will be charged on past due accounts.

BK 5875

Sam Adcock

©5

LOAD RECEIVED BY

1# 906696

3 Pw 6m

1:30 PM 3 hr + W.O.

VA/ ~~22~~ CAS 3er

5x5
52
5
3/125
41

10 Hovelo
Head H 30 11:30 AM
11:30 12:10 m 1:200
Stay 12:10 - 20 5K 1:15
108 - 9 m
Clear 12:45 am
5.0.000
36

675-8994

Art Boskey
Drl 800 3014

COLOWELL SERVICE, INC.

P. O. BOX 743 -- RANGELY, COLORADO -- 81648
PHONE 303/675-2237

No 931

To Robert Tate paid mining Date 2-12-56
Address Go back to agent's office Well No. 8-27 Lease Rock Club

TRUCKING (Description)		HRS	RATE	TOTAL
<u>Load 2000 lbs. cement in sandy grade</u>				
<u>Travel to & from, 1000 yds. Rock Hill Col. Rd.</u>	TRUCK T-17	14	29.50	H13
<u>Will pipe, 1000 yds. and 1000 yds.</u>				
<u>Location at. to. and travel to location</u>	DRIVER			
	<u>Coming to</u>			
MILES <u>total 500.00 Colo 20</u>	SWAMPER			
WEIGHT <u>36,000 lbs.</u>				
APPROVED BY <u>J. F. McLeod</u>	SUBSISTENCE	<u>1 day 17.00</u>	<u>1.00</u>	<u>Total H31.00</u>

COLOWELL SERVICE, INC.

P. O. BOX 743 — RANGELY, COLORADO — 81648
PHONE 303/675-2237

No 932

To State Hwy. & Gas oil & mining Date 2-11-76
Address 7000 1/2 mi. S. of Rangely, CO Well No. Lease Deer Creek

TRUCKING (Description)		HRS	RATE	TOTAL
Travel from Brighton City, Minn. to local travel back to Rangely Colorado	TRUCK T-17	13	29.50	383.50
	DRIVER			
	Crimston			
MILES	SWAMPER			
WEIGHT				
	SUBSISTENCE			
APPROVED BY <u>J. J. Clark</u>				total \$383.50

COLOWELL SERVICE, INC.

P. O. BOX 743 — RANGELY, COLORADO — 81648
PHONE 303/675-2237

No 904

To Utah Int. Resources Date 2-10-76
Address _____ Well No. _____ Lease _____

TRUCKING (Description)		HRS	RATE	TOTAL
Loaded Mud Pump + CAT Light Plant				
AT Rangely yard. Traveled to H. of Rosemont	TRUCK			
Still loaded 100 hp power switch, Traveled to T-23		14	29.50	
Rosemont. Released CAT Light Plant	DRIVER			
Truck T-17. Transferred power switch +	SWAMPER			
MILES Colored mud pump To BRIGHAM CITY.				
WEIGHT 35,000				
	Rig 23	1	18.00	18.00
APPROVED BY <u>J. J. J. J.</u>	SUBSISTENCE			413.00

431.00

COLONELL SERVICE, INC.

P. O. BOX 743 — RANGELY, COLORADO — 81648

PHONE 303-675-2237

No.

905

To WPAH Nat. Resources

Date 2-11-76

Address

Well No.

Lease

[illegible]

MOUNTAIN WEST OFFICE PRODUCTS, GRAND JUNCTION, COLORADO

27450

COLLOWELL SERVICE, INC.

P. O. BOX 743 - RANGELY, COLORADO - 81648
PHONE 303/675-2237

No 906

To UTAH NAT. RESOURCES

Date 2-12-76

Address _____

Well No. _____

Lease _____

TRUCKING (Description)

HRS

RATE

TOTAL

Traveled From BRIGHAM CITY, UTAH
To Rangely yard.

TRUCK

T-23

6

19.50

DRIVER

Ray Smith

SWAMPER

MILES (60/20) (UTAH 220)

WEIGHT _____

SUBSISTENCE

APPROVED BY R. F. Zulloch

R. F. Zulloch

\$179.00

COLONELL SERVICE, INC.

P. O. BOX 743 - RANGELY, COLORADO - 81648
PHONE 303/675-2237

No 969

To Utah Native Resources

Date 3-16-76

Well No.

Lease

TRADING (Description)		HRS	RATE	TOTAL
Travel from Bingham City To location.				
Load light plant, lug fan, 5" inch casing.	TRUCK			
Load rig, iron cat, hydraulic rig.	Mack T-17	16	29.50	
Unload etc. Travel To Bio-Co yard Vernal.	DRIVER			
Unload same at above. Travel To Rangely.	J. Covington			
Sale of Utah 300	SWAMPER			
Wagon 40,000				
	SUBSISTENCE			
APPROVED BY <i>[Signature]</i>				\$ 422.

COLOWELL SERVICE, INC.

P. O. BOX 743 - RANGELY, COLORADO - 81648
PHONE 503/675-2237

No. 970

To Utah Nat. Resources Date 2-15-76

Address _____ Well No. _____ Lease _____

TRUCKING (Description)		HRS	RATE	TOTAL
Travel from Rangely CWS yard To				
Helixham City, Utah. (Extra Time due	TRUCK			
To icy roads and snowing.)	Manx T-17	2	29.50	
	DRIVER			
	J. Corrington			
	SWAMPER			
MILES				
WEIGHT				
	SUBSISTENCE - 1		1.00	
APPROVED BY <u>J. J. F. [Signature]</u>			23 28	236.00

COLLOWELL SERVICE, INC.

P. O. BOX 743 - RANGELY, COLORADO - 81648
PHONE 303/675-2237

No 971

To UTAH STATE OIL CO. OIL WELLS Date 2-15-66
Address _____ Well No. _____ Lease DUCK CREEK

TRUCKING (Description)		HRS	RATE	TOTAL
<u>TRAVELED FROM RANGELY TO</u>				
<u>BRIGHAM CITY, UTAH.</u>	TRUCK			
	<u>T-23</u>	<u>8</u>	<u>29.50</u>	
	DRIVER			
	<u>Lybio</u>			
MILES <u>(CO 20) (UTAH 240)</u>	SWAMPER			
WEIGHT				
	SUBSISTENCE	<u>1</u>	<u>18.00</u>	
APPROVED BY <u>[Signature]</u>				<u>\$ 254.00</u>

COLLOWELL SERVICE, INC.

P.O. BOX 743 — RANNEY, COLORADO — 81648
PHONE 303/675-2237

No 972

To UTAH STATE COAL CO. Dr. P.O. Box 1000 Date 2-16-76
Address _____ Well No _____ Lease Rocky Mountain

TRUCKING (Description)		HRS	RATE	TOTAL
<u>Traveled from Brigham City to the</u>				
<u>Manufacturing Regional Reg. 22 Road Pump,</u>	TRUCK			
<u>power downed, Suffered. Transported to Warden</u>	<u>T-23</u>	<u>16</u>	<u>29.50</u>	
<u>yard, motor fixed, power downed and Reg. 22</u>	DRIVER			
<u>Traveled pump to Reg. 22 yard, Warden</u>	<u>Not Used</u>			
MILES <u>Coals 2nd (Utah 270)</u>	SWAMPER			
WEIGHT <u>44,000</u>				
<u>Advised Utah State Coal Co. V.C.</u>	SUBSISTENCE			
APPROVED BY <u>B. F. Beck</u>				<u>8.47200</u>

HALLIBURTON

SERVICES

A DIVISION OF HALLIBURTON COMPANY
FORM 1906-R4SEND ALL REMITTANCES TO
P.O. DRAWER 1431
DUNCAN, OKLAHOMA 73533

PAGE

2 PAGES

FIELD TICKET

NO.

059516

WELL NO. AND FARM Duckville Gun Club	COUNTY BOXE/11r	STATE Utah	DATE 2-15-76
CHARGE TO State of Utah Division of Oil, Gas & Mining	OWNER STATE UTAH	DUNCAN USE ONLY	
ADDRESS 1588 West North Temple Salt Lake City, Utah	CONTRACTOR Cal. W. H. Services	LOCATION 1 Vernal, UT.	CODE 55685
	SHIPPED VIA	LOCATION 2	CODE
	DELIVERED TO Low	LOCATION 3	CODE
	ORDER NO.	BULK MATERIAL DELIVERY TICKET NO. B- 419422	CODE 419420
	TOTAL ACID-30 DAYS	WELL TYPE Gas well over	CODE C.W
TYPE AND PURPOSE OF JOB Plug Back - 2nd sk.			
TERMS: NET DUE BY THE 20TH OF FOLLOWING MONTH. INTEREST CHARGED AFTER 60 DAYS FROM DATE OF INVOICE.			

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE L D	DESCRIPTION (Feb. 13-1976)	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
				QTY.	MEAS.	QTY.	MEAS.			
800-117			MILEAGE	225	mi.			1.10	247.50	
800-019			BASE CHARGE	160	FT.			365	365	
999-052			Operator Expenses	3	men			50	150.00	
800-093			IDEAL CLASS E	200	sq.			4.06	812.00	
800-406			CALCIUM CHLORIDE							
			MIX 3+BY WT	6	bx			13.65	81.90	
800-768			SALT MIX 2+BY WT							
			OF CEMENT	6				4.10	24.60	
			(Feb. 14-1976)							
800-019			Base chg.	160	ft.			365	365.00	
999-052			Operator Expenses	2	men			50	100.00	
			(Feb. 15-1976)							
			Ticket Continuation						1136.85	
			SERVICE CHARGE ON MATERIALS RETURNED							
800-307			SERVICE CHARGE	200				55	110.00	
800-314			TOTAL WEIGHT 255					30	765.51	
			LOADED MILES 200-82							

WAS JOB SATISFACTORILY COMPLETED?		TAX REFERENCES		SUB TOTAL	
WAS OPERATION OF EQUIPMENT SATISFACTORY?				TAX	
WAS PERFORMANCE OF PERSONNEL SATISFACTORY?				TAX	
J. F. Halliburton Customer of His Agent			P. J. Haggard Halliburton Operator	TOTAL	

THIS IS NOT AN INVOICE

TAXES, PRICE CHANGES, AND OTHER APPLICABLE DATA WILL BE SHOWN ON OUR INVOICE TO BE SUBMITTED FOR PAYMENT AT A LATER DATE.

CUSTOMER



INVOICE AND
TICKET NO. 059516

PAGE 1 OF 2

INSTRUCTIONS: IF CONTINUATION SHEET IS NEEDED SKIP LAST LINE BEFORE "SERVICE CHARGE ON MATERIALS RETURNED" ON NUMBERED TICKET. COMPLETE CONTINUATION SHEET AND SUB-TOTAL. ENTER SUB-TOTAL ON LINE SKIPPED. WITH DESCRIPTION OF "CONTINUATION SHEET ATTACHED".

ALL SERVICE CHARGES, TAXES, SIGNATURES, AND TOTALS WILL BE ON THE NUMBERED TICKET WHICH
WILL BE PAGE 1.

CUSTOMER

NO. B 419422

FD-302 (Rev. 1-25-60)

[illegible]

*BAGS UNLESS OTHERWISE INDICATED

TOTAL

CUSTOMER

HALLIBURTON SERVICES JOB LOG

CUSTOMER

WELSH ST. DIV. OF OIL & GAS

TICKET NO.

059516

PAGE NO.

1

JOB TYPE

Plug Back

DATE

2-13-76

FOOTAGE

START TIME	TIME	RATE (GPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	08:30							on loc. with all trucks
	10:15					1400		START HEATING MIXING WATER
	12:20					300		START MIXING CEMENT
	12:31		40			100		END MIXING + START DISP. CEMENT
	1:00							END DISP. CEMENT.
								END JOB
								2-14-76
	08:00							on loc. - wait on orders
	10:00							CHECK 5 $\frac{1}{2}$ casing - no press.
	10:30							Circ. 1 $\frac{1}{2}$ tubing down
	11:30							Mix Gel & Circ. tubing
	1:15							Rig up to mix cement
	14:05			X		X		mix 25sk 10961 down tubing
	14:20				X		X	mix 25sk 10961 cas 37 Cal $\frac{1}{2}$
	14:30			X		X		mix 25 37 Cal $\frac{1}{2}$
	14:50			X		X		mix 25 37 Cal $\frac{1}{2}$
	15:00							Draw 49K up 9900
								Feb-15-1976
	07:30							on location
	09:50			X				circulate
	10:35			X				1405x Cmt 37 Cal $\frac{1}{2}$
	11:41			X				185x Cmt + 185x Cal seal
	10:52			X				P.O.H. - 30'
	11:00			X				125x Cmt + 125x Cal seal
	11:05							105x Cmt + 105x Cal seal 37 Cal $\frac{1}{2}$
	12:00							wash up & rock the up
	13:00							Finish

Thank you
J. Haggard

CUSTOMER

NO. B 419420

FORM 1511 B-1

[illegible]

*SACKS UNLESS OTHERWISE INDICATED

TOTAL

CUSTOMER

HALLIBURTON SERVICES JOB SUMMARY

FORM 100-1

HALLIBURTON DIVISION R.M.
HALLIBURTON LOCATION VERMILION

BILLED ON TICKET NO. 059516

WELL DATA

FIELD Ward SEC. _____ TWP. _____ RNG. _____ COUNTY Box Elder STATE NEBR

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD. OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

PRESSURE PROD. OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____

	NEW USED	SIZE	FROM	TO	WEIGHT	MAXIMUM PSI ALLOWABLE
CASING	✓	5 1/2	0	140	1450	
LINER						
TUBING	✓	2 1/2	0	301	—	
OPEN HOLE						TOTAL DEPTH: _____
PERFORATIONS						SHOTS/FT. _____
PERFORATIONS						SHOTS/FT. _____
PERFORATIONS						SHOTS/FT. _____

JOB DATA

CALLS OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-13-76</u>	DATE <u>3-13-76</u>	DATE <u>3-13-76</u>	DATE _____
TIME <u>11:00</u>	TIME <u>0830</u>	TIME <u>1015</u>	TIME _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>K. W. H.</u>	<u>SP08</u>	<u>VERMILION, MT</u>
<u>J. Haggard</u>	<u>20811</u>	<u>VERMILION</u>
<u>H. Petty</u>	<u>9922</u>	<u>VERMILION</u>
<u>S. Caddis</u>	<u>9332</u>	<u>VERMILION</u>

DEPARTMENT Chem

DESCRIPTION OF JOB Plug Back

JOB DONE THRU: TUBING ☐ CASING ☒ ANNULUS ☒ TEG./ANN. ☒

CUSTOMER REPRESENTATIVE X. J. F. Halliburton

HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU. FT./SK.	MIXED LBS./GAL.
1	200		G	IDEAL	✓	3" C. & C. - 3" SALT		16.5
2	50		A	IDEAL	SX	39 CACI		14
3	50		A	IDEAL	SX	39 CACI		16.3
4	140		A	IDEAL	SX	39 CACI		16.4
5	400		A	IDEAL	SX	40 CACI		15.5

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING ✓ DISPLACEMENT ✓

BREAKDOWN ✓ MAXIMUM 300

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

PREFLUSH: BBL-GAL. _____ TYPE _____

LOAD & SHDN: BBL-GAL. _____ PAD: BBL-GAL. _____

TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. _____

CEMENT SLURRY: BBL-GAL. _____

TOTAL VOLUME: BBL-GAL. _____

REMARKS _____

CUSTOMER

CUSTOMER USE ONLY: DATE 3-13-76

HALLIBURTON

SERVICES

FORM 1908 R-2

A Division of Halliburton Company
DUNCAN, OKLAHOMA 73533WORK ORDER CONTRACT
AND PRE-TREATMENT DATAATTACH TO
INVOICE & TICKET NO. 055516DISTRICT VERMONT, UTAHDATE 2-13-76

TO: HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO:

STATE OF UTAH DIV. OIL & GASAND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING
(CUSTOMER)WELL NO. 1 LEASE POWER VILL SEC. _____ TWP. _____ RANGE _____FIELD WANE COUNT QUICKER STATE UT. OWNED BY STATE OF UTAH

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	FROM	TO	THICKNESS	FROM	TO	PACKER: TYPE	SET AT	TOTAL DEPTH	MUD WEIGHT	BORE HOLE	INITIAL PROD:	OIL	BPD, H ₂ O	BPD, GAS	MCF	PRESENT PROD:	OIL	BPD, H ₂ O	BPD, GAS	MCF
CASING				15.50	5 1/2"	140'															
LINER																					
TUBING				LINE PIPE	2"	301'															
OPEN HOLE																					
PERFORATIONS																					
PERFORATIONS																					
PERFORATIONS																					

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ☐ ANNULUS ☐ CASING ☐ TUBING/ANNULUS ☐ HYDRAULIC HORSEPOWER ORDEREDPLUG BACK

CUSTOMER OR HIS AGENT STATES THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration, the above-named Customer agrees:

- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
- Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
- Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
- Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
- Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
- Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
- Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
- Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- Upon Customer's default in the payment of Customer's account 60 days after date of invoice, such account will thereafter be subject to interest until paid. In the event it becomes necessary to employ an attorney to enforce collection of such account, Customer agrees to pay all collection costs and attorney fees in the amount of 20 per cent of the amount of the unpaid account.
- Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED

CUSTOMER

DATE 2-13-76TIME 0930 A.M. - P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

SPLIT MOUNTAIN PIPE AND STEEL

OIL FIELD SUPPLIES, NEW AND USED STEEL

TELEPHONE 801-789-3573

P.O. BOX 418, VERNAL, UTAH 84078

SALES DELIVERY
TICKET

№ 6163

ST State of Utah
 SO Div of Oil, Gas, & Mining
 D 1580 W of Temple
 TO Salt Lake City, Utah
 "SHIP TO" SAME AS "SOLD TO" UNLESS SPECIFIED BELOW
 BY Cruckwill Gen Club
 H Birmingham, City, Utah
 TOL

DATE Feb 4, 1976
 WELL NAME AND NO. Puckwill Gen Club
 SALESMAN Chuck
 CUSTOMER ORDER NO. See Ticket

QUANTITY		SIZE AND DESCRIPTION	WEIGHT OR UNIT	UNIT PRICE	AMOUNT
ORDERED	SHIPPED				
2PCS	2PCS	8 5/8 188 wall x 15'	30'	Not used	N/A
1PC	1PC	103W - 50 wall x 15'	15'	Not used	N/A
20PCS	20PCS	1 1/2 INT. JT Tubing	648.53 lb	Not used	N/A
80'	80'	2 1/2 cable for Rig Anchors	80'	122/lb	N/A
16PCS	16PCS	4" OD Boiler Tube 7' long (anchors)	112'	85/lb	N/A
		Expensive Anchor. Arrived w/ Transport Flat			
		2/11/76 mod and Drive Load out at Ureac Oil			
		to Loc and Return to Ureac	31 hrs	26.50/hr	536.50
		Chg	15	26.00	390.00
		Submitted for payment 2-27-76			

SHIP VIA #14 / w float - 1 driver Charles Elton
 ABOVE MATERIAL RECEIVED BY See Ticket

SUB TOTAL	<u>536.50</u>
SALES AND USE TAX	<u>56.50</u>
TOTAL AMOUNT	<u>593.00</u>

OIL FIELD SUPPLIES, NEW AND USED STEEL

TELEPHONE 801-789-3573

P. O. BOX 418, VERNAL, UTAH 84078

NP 6168

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State of Utah
New Oil, Gas & Mining
1900 & Temple
Salt Lake City, Utah
SHIP TO "SAME AS SOLD TO" UNLESS SPECIFIED BELOW
Cockwill Gun Club
Birmingham, City, Utah

DATE Feb 1, 1976
WELL NAME AND NO. Eastville
SALESMAN Jack
CUSTOMER ORDER NO. 101 Eastville

QUANTITY ORDERED SHIPPED		SIZE AND DESCRIPTION	WEIGHT OR UNIT
105	85	8 5/8" 12 well 11.5'	pk 30'
1 PK	1 PK	10 3/4" 50 well 11.5'	pk 15'
		10 3/4" 50 well 11.5'	pk 15'
10'	20'	2 1/2" cable	pk 70'
6 PKs	16 PK	4" OD 60 in Tube 7' long	pk 112'
		Furnish Tandem Diesel w/ Tandem Float & Driver Load Pipe, Cable & Mud at Vernal, Utah yard Drive to Brigham City & 15 mi west on road & Return to Vernal, Utah 15 Hrs @ 26 ^{mi} / _{hr} = 390 ^{mi}	

Submitted for payment 2-27-76

NOUVEAU TAX

EXAM TALK
TAP 390⁰⁰

#14 / 60 plant

RECEIVED BY

SALES DELIVERY TICKET

Nº 4284

P. O. BOX 1075

DATE _____ 19____

SALESMAN	SOLD TO <u>State of Utah Bureau of Oil & Gas</u>	
ORDERED BY	ADDRESS <u>1550 West No. 1st St.</u>	CITY <u>SALT LAKE CITY</u>
CUSTOMER'S ORDER NO.	CARRIER <u>Spokane River & Stevedoring</u>	STATE <u>UTAH</u>
WAREHOUSE	WELL NAME & NO.	COUNTY

[illegible]

DISTANCE TO LOCATION _____ MILES •	EQUALIZED MILEAGE _____	TOTAL WT. _____	TOTAL AMOUNT _____
_____ LBS. @ _____ CWT.	_____	_____ STATE _____	% SALES TAX _____
_____ HRS. @ _____ HR.	_____	DELIVERY CHARGE _____	_____
OTHER CHARGES _____	_____	TOTAL _____	_____
TOTAL DELIVERY CHARGE _____	_____		

If this account shall not be paid when due and it is placed with an attorney for collection, or if suit be instituted for collection, the undersigned agree(s) to pay in either case a reasonable expense of collection including attorney's fees and court costs. In compliance with **TRUTH IN LENDING AND THE UNIFORM CONSUMER CREDIT CODE**, the following disclosure information is provided.

Under the terms of our regular accounts, all amounts for services are due and payable within ten (10) days from the receipt of an invoice for such services. **A LATE CHARGE** will be assessed when accounts are not paid when due. **THE LATE CHARGE** is computed by a "periodic rate" of **1-1/2% PER MONTH** which is an **ANNUAL PERCENT RATE OF 18%** applied to the previous balance in the account on the billing date. No further credit can be extended on unpaid delinquent accounts until the delinquent account is paid in full. The contractor will not be held liable for damages caused by acts of God, or unforeseen circumstances that could not be reasonably anticipated in performing the work done as set forth above.

SIGNED

RECEIVED IN APPARENT GOOD ORDER

file
Copies sent to: Also: Lynn Dugan Investments
Gloyd Robinett & Board Members
Sheriff Redding
February 20, 1976

TO: Cleon B. Feight

FROM: P.L. Driscoll

CIRCULATE TO:
DIRECTOR
PETROLEUM ENGINEER
MINE COORDINATOR
ADMINISTRATIVE ASSISTANT
ALL

RETURN TO *Thalia*
FOR FILING

Re: Duckville Gun Club
Gas Well

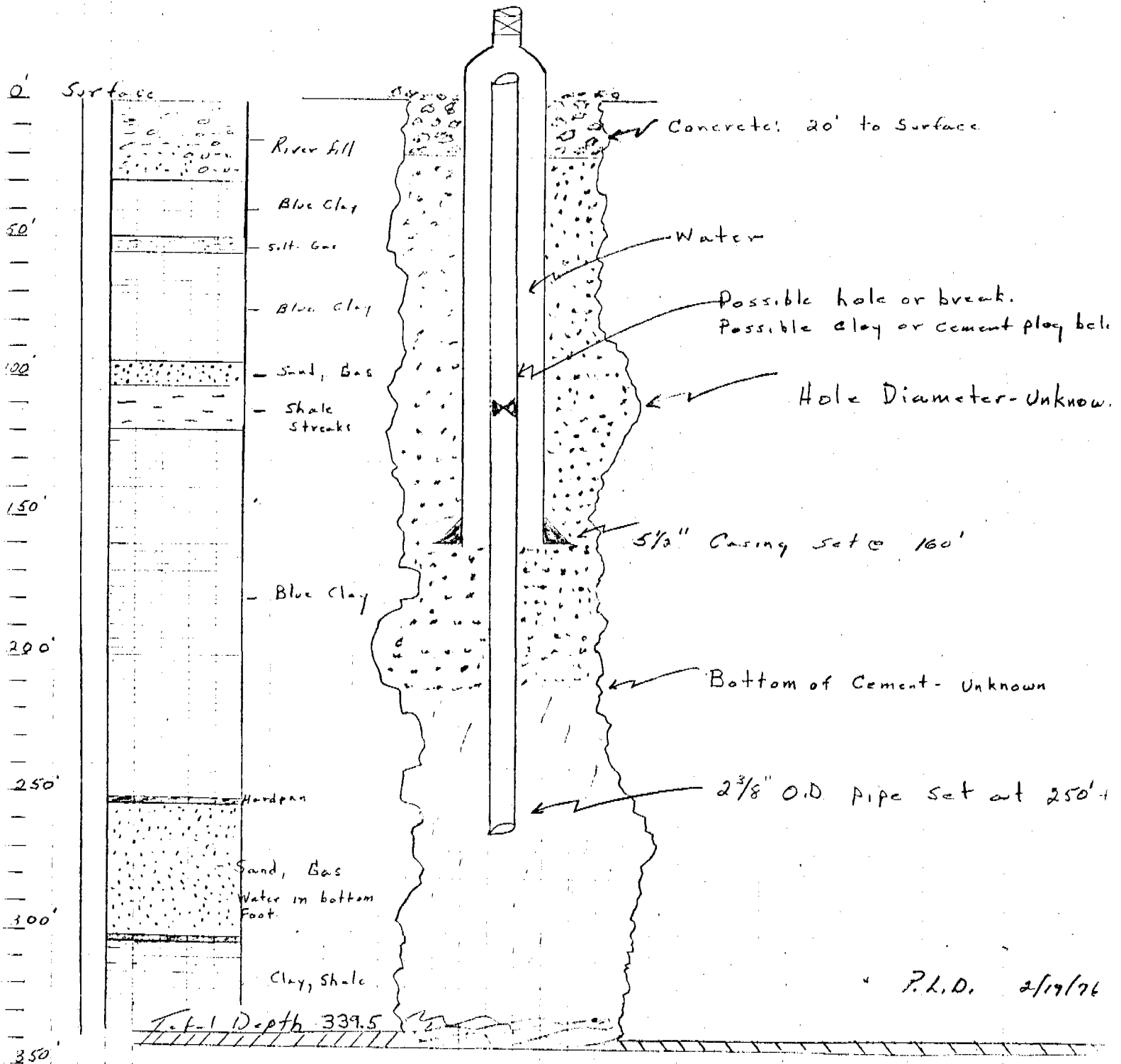
The following is a brief summary of the work performed relative to sealing-off this well.

As of Tuesday, February 10th, the location had been made; deadmen buried and drilling mud was on the location. The following morning, Colorado Well Servicing Company, moved in and rigged up. A 6 5/8" washover bit and one joint of 5 1/2" casing was picked-up. There was virtually little difficulty in washing - over the 2 3/8" OD pipe in the hole. The second joint of casing was picked up and the drilling progressed smoothly. Operations were discontinued early that afternoon, as it was necessary to order more 5 1/2" pipe from Vernal. It was noted that after the second joint of casing had started in, the amount of gas volume escaping around the pipe had materially decreased. By Thursday at noon, a depth of 130' had been reached, and when the next joint of casing had been picked up, it virtually fell through to 160'. As the last bridge had been cleared and the last joint run, the gas volume increased to a volume that prohibited making another connection. The gas was allowed to vent up the casing and out a 2" manifold. Simultaneously, large volumes of gas were escaping around the casing and into the cellar. The operations were secured for the night and the gas was allowed to vent free.

The following morning (Friday, Feb. 13th), a representative from Mountain Fuel gauged the flow through the 2" pipe with a pitot tube. This measured approximately 1,130,000 cubic feet per day. In addition, it was estimated that 500,000 plus cubic feet was escaping around the outside of the 5 1/2" casing. Total volume was felt to be in excess of 1 3/4 MMCFPD. Instantaneous shut-in pressure on the 2" pipe was 90 psig and commencing a noticeable increase. Ultimate shut-in pressure was not recorded, as the closing of the 2" pipe created an extremely hazardous condition by increasing the amount of gas escaping into the cellar. Halliburton Company was rigged up, and 17 lb/gal cement was displaced down the 5 1/2" casing and to T.D. This did not shut off all the gas, but it did decrease the flow substantially. The cement was allowed to set overnight. The next morning, an attempt was made to pick-up the 5 1/2" casing. A pull of 20,000 lbs., did not move the casing and this indicated that cement had also gone behind the 5 1/2" casing. Next, an attempt was made to pull the 2" pipe, and this proved to be unsuccessful, thus indicating that cement was around the 2" pipe below the bottom of the 5 1/2" casing. A string of 1 1/2" tubing with a shop-made Texas Pattern bit was picked up. A hole was drilled with this pipe immediately alongside the 5 1/2" casing. This hole was drilled to 100' and solid cement was encountered at that point. It was felt that the gas now escaping was coming from a zone encountered at 95' and containing gas. This zone was probably charged above initial conditions by the gas coming from the 256'+ zone. Howco was rigged up and a 25 sack plug was displaced out the 1 1/2". This pipe was raised 30' to a depth of 70' and a second 25 sack plug was displaced. The pipe was picked up to 40'. At this point, a 25 sack plug was pumped down the 5 1/2" casing, and the casing cleared. This had no noticeable results. The fourth 25 sack plug was displaced out the

1 1/2" pipe and this pipe was pulled. The volume of escaping gas decreased drastically, but still retained sufficient magnitude to continue to pose a potential hazard. Cement was allowed to set overnight. The next morning, the 1 1/2" was picked up and a hole was drilled alongside the 5 1/2" casing to 100'. Several cement stringers were drilled out, and as the pipe penetrated each stringer, the volume of gas increased materially. A cement mixture of 190 sacks of class A cement plus approximately 100 sacks of Gypsum cement was displaced down and out the 1 1/2". There were no returns to surface, but a very substantial reduction in escaping gas was accomplished: (This amounted to virtually a 99% shut-off) 10 sacks of cement were pumped around the top of the 5 1/2" casing in the cellar after the 1 1/2" pipe was pulled. Cement was allowed to set, and the cellar was pumped down. There was a very large vertical hole around the 5 1/2", and about 10-15' from the surface (corresponding to the river level) was a large cavern. The venting gas had by now been virtually shut-off. The following morning this hole, cavern and cellar were filled with concrete. The next morning, the only noticeable gas activity in the area, were a few insignificant bubbles around the edge of the pad. The well was considered to be effectively sealed at this point and work ceased on the well. The attached diagram is representative of the present condition of the well.

Duckville Gun Club
Well Status - Feb. 17, 1976



February 23, 1976

TO: C.B. FEIGHT

Re: Duckville Gun Club

The Utah Geological and Mineral Survey is on standby to sniff Duckville. I requested two weeks at least following plugging, so next week they should be out there.

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD:tb

Pat Presnal -
~~Mr. Cleon B. Jaegle~~
Director: Oil, Gas & Mining Div.
Salt Lake City, Utah

Feb 27, 1976

Re: Duckville Gun Club Abandonment

Dear Jack:

Enclosed you will find all Counter tickets, for services rendered on the well. In addition you will find:

1. Copies of my Daily Tour Reports
(Split Mtn Morning Report Form)
2. History & Report summary of the Abandonment
3. Cost Summary:

We appear to be ^{well} within the Budget, however I do not know the charge, if any, on Box Elder County Bitter the Gravel Pad ???
I have allocated \$225⁰⁰ For Repair on the Duckville Gun Club's TANK.

4. Copies of Invoice for my services
5. A schematic is attached to the well history showing as best I can determine locations of plugs & known tops of bent. plugs.

Should you have any questions please contact me at my verbal, office.

Best regards

J. F. Jaegle

February 27, 1976

DUCKVILLE GUN CLUB

Gas Well P&A Cost

LOCATION & ACCESS:

✓ Whitaker Construction Co. Backhoe Service	\$ 324.	
✓ Split Mtn. Pipe & Steel cable & pipe for deadmen	N/C	
		\$ 324.00

TRUCKING:

✓ Split Mtn. Pipe & Steel	\$ 390.	
✓ BICO Rentals	425.	
✓ Colorado Well Service	3117.	
		\$ 3,932.00

CONTRACT RIG:

✓ Colorado Well Service	\$8017.47	*
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EQUIPMENT RENTALS:

✓ Colorado Well Service	\$1570.50	
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CASING:

✓ Colorado Well 180' @ \$5.08/ft.	\$ 914.40	
		\$10,502.37

CEMENT:

✓ Merrell's	\$1184.	
✓ Parson's Ready Mix	762.	
✓ Halliburton	2626.86	
✓ Halliburton Cement & Pump Service	1743.	
		\$ 6,315.86

FUEL:

✓ 709 gallons @ \$.50	\$ 354.50	(254.53)
Estimated repair on tank and stand	225.	
		\$ 579.50

SUPERVISION:

Consulting service J.F. Tadlock	\$2500.	
		\$ 2,500.00

MUD:

Basin Mud Service 40 sxs Gel @ \$3.76	190.40	
	\$ 150.40	
		\$ 150.40

TOTAL: \$24,304.13 **

* Includes travel time & per diem for crew
** Note Box Elder County charge, if any, not known

RALPH M. EVANS
ATTORNEY AT LAW
829 LAND TITLE BUILDING
BROAD AND CHESTNUT STREETS
PHILADELPHIA, PA. 19110
—
LOCUST 7-1100

March 14, 1977

Secretary of State
State of Utah
The Capitol
Salt Lake City, Utah

Dear Sir:

We represent a client who advises us that a short while ago the State of Utah capped a natural gas well very close to Perry, Utah.

We would assume that this well would now be available for a long-term lease.

Would you please be kind enough to refer this letter to the appropriate person and request that they contact us, so that we may pursue this further.

Thank you in advance for your courtesy.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'R M Evans', written in dark ink.

March 21, 1977

Ralph M. Evans
Attorney at Law
329 Land Title Building
Broad and Chestnut Streets
Philadelphia, PA. 19110

Re: Duckville Gun Club
(Gas Well) Sec. 35
T. 9 N. R. 4 W.
Box Elder County, Utah

Dear Mr. Evans,

Attached are ^{two} reports concerning the plugging and abandonment of the above mentioned well.

Since the property and mineral rights are owned by the Duckville Gun Club, all arrangements relative to obtaining a gas lease must be made with the members of said club.

Incidentally, should you obtain a lease, it will be necessary for you to comply with the rules and regulations of this Division before taking any action for the purpose of producing gas thereunder.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
DIRECTOR

CBF:tb

OGDEN STANDARD-
EXAMINER
Ogden, Utah
Circ.: 46,620

DEC 18 1977

State Urges Club to Move on Methane Gas Leak

BRIGHAM CITY — A division, said today a letter was sent Monday to officials of the Duckville Duck Club, where the leak is located, asking it to move quickly because of the potential danger. Mr. Feight said it is the club's responsibility to take care of the leak, but said the state will consider helping with the problem. He said officials of the club are scheduled to meet with Governor Rampton, probably Friday, to request help. He estimated it would cost as much as \$25,000 to plug the two-inch well head to stop the leak. Hewlett said Monday the club had already spent \$15,000 trying to plug the leak. In November over 60 tons of concrete were poured down the well. Club manager Toney said the gas quit for later bubbled up from the River bottom. It began making its way to the original site.

Opinion Says 'No'

Use State's Money To Plug Old Well

State funds may not be used to attempt to plug old well leaking natural gas at the Duckville Duck Club in Box Elder County, the attorney general's office held in an opinion Friday.

Assistant Atty. Gen. Paul E. Reimann wrote Calvin L. Rampton that he had researched the statutes and found no appropriation for such use. Neither can the governor's own regular emergency fund of \$200,000 be used, he added.

And further, it appears no energy companies including Mountain Fuel Supply are interested in tapping the well as an additional source of gas.

Mr. Reimann said he was attempting to correct mistaken beliefs, apparently partly held by the club members, that the state could financially help in stopping the leak. It failed to seal after a concrete mix was poured down the well casing.

Gov. Rampton earlier told state oil and gas officials he felt his emergency fund wasn't a source of money, but asked Mr. Reimann to research the matter to be certain.

June 22, 1976

MEMO TO FILE:

Re: Duckville Gun Club (Gas Well)
Sec. 35, T. 9 N., R. 4 W.
Box Elder County, Utah

On Wednesday, June 16th, Ron and I visited the Duckville Gun Club to inspect the plugged gas well there.

The ground around the well head has subsided an inch or two at the edge of the concrete pad. No gas leakage is apparent. An inactive mud boil appears between the well and Bear River. The well and surrounding area appear to be the same as when plugging was completed.

DIVISION OF OIL, GAS, AND MINING
JAMES W. CARTER
ENGINEERING GEOLOGIST

JWC/lc



CIRCULATE TO:
DIRECTOR
PETROLEUM ENGINEER
MINE COORDINATOR
ADMINISTRATIVE ASSISTANT
ALL

RETURN TO *Kathey*
FOR FILING